

## Product datasheet for RC229482

### DNAH10 (NM\_207437) Human Tagged ORF Clone

#### Product data:

|                          |   |
|--------------------------|---|
| Product Type:            | Expression Plasmids   |
| Product Name:            | DNAH10 (NM_207437) Human Tagged ORF Clone                                   |
| Tag:                     | Myc-DDK   |
| Symbol:                  | DNAH10  |
| Vector:                  | pCMV6-Entry (PS100001)  |
| E. coli Selection:       | Kanamycin (25 ug/mL)  |
| Cell Selection:          | Neomycin  |
| ORF Nucleotide Sequence: | >RC229482 representing NM_207437<br>Red=Cloning site Blue=ORF Green=Tags(s) |

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCCGCGATCGCC

ATGGTGCCGGAGGAGGTGGAGTGGAGATTGATGAGATACCTGTCCTGTCTGAAGAGGGAGAAGAGGAAG  
AAGAGACTTATTCTCAAAAAGTGGAGTCCGTGGATAAAGTGCGAGCTAAGCGTGTGTCACTGAGAACCGA  
ATCTCTAGGCCAACCTCTAAACAGAGAGGATGAAGAAAATGGACAAGAGATTTTCAGAAAACTCCCTTCC  
AAAAGAAGTGCAGACATCATGGAAAAGATGCATCTCCACATGCTCTGTACCCCTCTCCCGAGGAGT  
TCTGGACCAAAACGTGGTGTTTTTCTCAGAAAATACCAAGAGGCAATCTCTGAAGCTACCGACATGAA  
GGAAGCTATGGAATTATGCCAGAAACTGGAGTATGGAATTATAAACGCTAATGTGCTCCATTTTCTG  
AAGAATATTATATGTCAGGTTTTTTGCCAGCATTGTCTTCAATCAGCACAGGACGAGTACAACCGTGG  
GAGTCACATCTGGAGAAGTCTCTAATTCCTCTGAGCATGAATCAGACCTGCCGCCATGCCTGGGGAGGC  
AGTAGAATATCACAGTATTCAATTAATACGGGATGAATTTTTAATGAACGTGCAGAAATTTGCAAGTAAT  
ATTCAAAGAACCATGCAGCAACTGAAGGTGAGATCAAGTTAGAAATGCCAATCATCAGTGTGGAGGGAG  
AGGTGTCTGACCTGGCAGCTGACCCGAAACCGTTGACATCTTGGAGCAGTGTGTGATAAACTGGCTGAA  
TCAGATATCCACAGCGGTTGAGGCCAACTGAAGAAGACACCTCAGGGTAAAGGCCCTCTGGCTGAAATT  
GAATTCCTGGAGGGAAAGAAATGCAACCTTAAGTGCCTGCATGAACAAACAAAGCTTCCAATAGTCAGAA  
AAGTCTTGGATGTGATCAAGGAATCCGACTCCATGCTTGTGGCTAATCTGCAGCCAGTGTTCACCGAGTT  
ATTCAGTTCCACACGGAGGCCTCAGACAATGTGCGCTTCTCTCCACCGTGGAGCGTATTTCGAAGAAC  
ATAACGACCGGTCTGGCTTCCACGTGGTCTGGACACCATCCCCGCATGATGAGTGCCTGCGGATGG  
TGTGGATCATCTCCGACACTACAACAAAGACGAGAGGATGATCCGCTCATGGAGCGCATCGCTGGGA  
AATCGCTGAGAGAGTCTGCCGAGTGGTCAACCTGCGGACTTTGTTCAAAGAAAATCGAGCGAGTGCCCAA  
AGCAAAACCTTGAAGCCAGGAACCCCTCAGGCTGTGGAAAAGGCCTATTTTGACACCCGGGCCAAGA  
TAGAGGCTTCGGGGAGGGAAGATCGGTGGGAGTTTGACCGGAAGCGGCTGTTTCGAGAGGACGGATTATAT  
GGCCACCATCTGCCAGGACCTCTCCGACGTTCTGCAGATTTTGGAGGAATTTTATAACATATTTGTGCCA  
GAACTAAAGGCAGTGACGGGGACCCCAAGCGCATTGATGATGTCCTATGCAGAGTGGACGGCCTAGTCA  
CCCCATGGAAAACCTGACCTTTGACCCCTCAGCATCAAGTCTCCAGTTCTGGAAAATATGTGATGGA  
TGAATTCAAGATTGAAGTTCTGATTGACATCATTAATAAAATCTTTGTCCAGAACCTTGAATCCACCA



[View online »](#)

CTGTATAAGAATCACCTCCAGTAGCAGGTGCAATATACTGGGAACGATCTCTGTCTTTTCGGATTAAGC  
ATACCATCCTCCGATTTCAAGAGGTACAAGAGATACTGGACAGTGATCGAGGACAGGAGGTCAAACAAA  
ATATTTGGAAGTAGGTAGGACAATGAAGGAGTATGAAGACAGAAAAGTATGAGCAGTGGATGGAGGTGACG  
GAGCAGGTGCTGCCAGCTCTCATGAAGAAGAGCCTTTTGACCAAGTCTTCCATCGCCACAGAGGAGCCTT  
CGACTTTAGAAAGGGGAGCTGTTTTGCAATCACTTTTACCAGGCTCTCAGAGAGATTATTAATGAAAC  
AAAGTACTTAGAGCAGCTGGGGTCACTGTCCCTGAATTAGCAAGAAATGTTGCTCTCCAGGAAGACAAA  
TTCTTAGGTACACAGCTGGGATACAGCGCATGTTGGATCATTACACATGCTCATAGGAACGTTAAACG  
ATGCGGAGTCTGTGCTTCTCAAAGATCATTCCCAGGAACGCTCCGAGTGTTTAGGTTCGGATATAAGAG  
GTTGAACTGGAACACTAGGTATCGGTGACTATATACTGGTTGCAAACAGGCCATTGGGAAATTTGAG  
TCTCTCGTCCACCAGATTCATAAGAATGCAGATGACATTTCTTCCAGGCTGACATTAATAGAGGCCATAA  
ATCTCTTTAAATATCCAGCCGCTAAAAGTGAGGAAGAACTCCCAGGCGTGAAGGAATTTTTTGAACACAT  
TGAGCGAGAAAAGGGCCAGCGACGTGGACCACATGGTCCGGTGGTATCTTGCCATTGGACCACTGCTGACC  
AAAGTTGAGGGCCTGGTCTCCACACCAACACAGGCAAGGCCCAAGCTGGCCTCTACTACAAATACT  
GGGAAAAGAAAATTTATGAGTCTGACAAAGCTCATCCTGAAGAACTTGCACTCTTTAATTCTTTGAT  
CCTTGAAATGTCCCTCTGTTCCACACTGAAACCATTCTGACGGCACCTGAGATCATCTTCATCCCAAC  
ACAAATGAGATCGACAAGATGTGCTTCCATTGTGTCCGGAATTGCGTGGAGATCACCAAGCATTTTGTTT  
GTTGGATGAATGGCAGCTGCATAGAATGCCACCTCAGAAGGGGGAGGAAGGAAGTTGTTATAATAAA  
CTTTTACAATGATATCTCTCTGAACCTCAGATAATTGAACAAGCTGTTATGATCCCCAAAATGTCCAC  
AGGATTCTGATCAATCTTATGAAGTATCTACAAAAATGGAAGCGGTATCGACCTCTCTGGAAATTTGACA  
AAGCTATTGTGATGGAGAAAATTTGCTGCCAAGAAAACCTCCTTGTGTAGCATATGATGAAAAGTTGCAGTT  
CTATCCAAGTAGCTTATGAGGTTATGCGCCACCCTCTAATTAAGGATGAGCATTGCATCAGACTTCAG  
CTCAGGCATCTGGCAAACACAGTGCAGGAAAATGCCAAGTCTGGGTGATTTGCTTGGAAAACCTTCTCA  
ATGAGTCAGCAAAAAGAGGAGCTCTAATACTCCATGAAGAGATGGAGCACCTGGCCAAAACCTTAGGAA  
GATCCCCAATACCCTTGAAGATCTCAAGTTTGTCTTGGCAACAATTGCAGAAAATTAGAAGTAAATCTCTA  
GTCATGGAACACTAGATATAGGGAGTCCAGGAGCGATACCGTACCATGGCAATGTATAACCTCTTTCCTC  
CTGATGACAGAAAAGAACTGTTGATAAGATTGAGAGCATATGGTCCAATCTGTTAATGATTGAGTGA  
TGTGGAGCATGCTCTTGGGGACATAAAGAGAACCTTTCACAGAGCTTACTCGAGGGCAAAATGAACACTC  
AGAGTTGAGATAGAGGAGTTTGAAGCGTTTTTACAGTGAAGGCCCTGGTTCTGTTGGTGTGATCTTG  
ATAAAGGAGTAGAGCTTTTAGGTGTTTATGAAAGAGAGCTGGCAAGACATGAAAAGAGCCGTGAGGAACT  
GGCTAACGCTGAGAACTTTTCGATCTTCTATTACAATGTACCCAGAGCTGCTGAAAGTGCAGAAGGAA  
ATGAGTGGCTGAGGATGATTTACGAGCTCTATGAAGGACTAAAGTTGCAAAAGAGAATGGTCTCAGA  
CCTTTTGGATCAACCTGAATGTGAGATTTCTCCAGGAAGGAATTGAAGTTTTCTCAGGGCTCTCAGAAA  
GCTACCTCGGCCAGTCCGTGGCTTATCAGTGACCTACTACTTGGAAAGCAAAAATGAAGGCATTCAAAGAC  
TCGATTCCTTTACTTCTTGACTTGA AAAACGAGGCACTAAGAGACAGGCATTGGAAAAGAACTTATGGAAA  
AAACGTCTGTCTTTTTGAAATGACCGAAACGTTACCTTGGAAAATATGTTTGTATGAACTGCACAA  
ACACACAGATGTTCTCAATGAGATTGTACAGCAGCAATCAAGGAGGTTGCCATTGAGAAGGCTGTGAAG  
GAAATCCTAGACACGTGGGAAAATATGAAATCACTGTAGTCAAGTATTGCAAAGGCACACAGGAGCGAG  
GCTACATCCTGGGTTCTGTTGACGAAATATTCACTGCTCTTGATGACAACACTTTCAACCTGCAGAGCAT  
CTCAGGAAGCAGATTTGTGGGGCTTTTCTGCAAACTGTTCAAAAATGGGAAAAACGCTTCTCTAATA  
GGGGAAGTCATTGAGATTTGGATGTTGGTTCAGAGAAAATGGATGTATCTTGAAGTATTTTTATTGGTG  
GAGATATAAGATCACAACCTCCGGAAGAGGCAAAAAGTTTTGACAACATCGATAAAGTATTTAAAAGGAT  
CATGGGTGAGACCTTAAAAGACCCCGTATCAAGAGGTGCTGTGAAGCCCAACCCGCTCAGTGACCTA  
CAGAACGTGAGGAGGCTGGAGAAAATGCCAGAAAAGCCTCAACGACTACTTAGATTGAAAGAGAAATG  
CTTTCCCAAGGTTCTTCTTCAATTTCTGACGATGAGTTGCTTAGCATTCTGGGGAGCAGCGACCCACTCTG  
CGTCCAGGAGCACATGATCAAGATGTACGACAACATAGCATCACTGAGGTTAATGACGGCGATAGTGA  
GAAAAACTGGTGTCCGCGATGATTTGAGCAGAAGGAGAAGTCATGGAGTTTCGGAAGATCTTGGGGCTG  
AAGGGCGCGTGGAGGACTGGATGACGGCAGTTTTGAATGAGATGAGAAGAACTAATAGACTAATTACCAA  
AGAGGCTATTTTTAGATACTGTGAAGACAGAAGCAGAGTGCAGTGGATGCTCCTGTACCAGGCATGGTG  
GTGCTGGCCGCTAGCCAGGTGTGGTGGACCTGGGAGGTGGAAGACGCTTCCACAAGCGCAAAAAGGGG  
AGAAGCAGGCCATGAAGAATAATGGCAGGAAAATGCACCGGCAGATCGATGAGTTGGTAACGCGCATCAC  
CATGCCGCTAAGCAAAAACGACAGGAAAAAATACAACACTGTTCTCATCATTGATGTGCATGCCAGAGAC  
ATAGTTGATCTTTCATAAAGAGGAGTATCCTGGAGGCCCGAGAGTTTACTGGGAAAGTCAAGTTGCGGT

TTTATTGGGACCGGGAGCCGGATGAGCTGAACATCCGCCAGTGCACGGGAACCTTTGGCTACGGCTACGA  
 GTACATGGGCCTGAACGGCAGGCTGGTCATCACGCCCTCACCGATCGGATTTACCTGACGCTCACCCAG  
 GCGCTGTCCATGTATCTAGGTGGGGCCCCGCCGGCCAGCAGGAACCGGCAAAACCGAGACCACCAAGG  
 ACCTGGCGAAAGCCTTGGGCTTGTCTGTGTTGTACCAACTGTGGCGAAGGCATGGATTACAGGGCCGT  
 GGGGAAGATTTTCTTGGCCTGGCACAGTGCAGGGCTTGGGGCTGCTTTGATGAGTTAATCGAATCGAT  
 GCTTCTGTGCTCTCCGTGATCTCCTCCCAGATCCAGACGATCCGAAATGCTCTGATCCATCAGTTAACCA  
 CGTCCAGTTTGAAGGGCAGGAGATTTCCCTGGACTCCCGCATGGGCATTTTCATCACCATGAACCCCGG  
 CTACGCAGGCCCGACGGAGCTGCCCGAGTCGGTGAAGGCCGTGTTACGGCCTGTGGTCTGATCGTGCCC  
 GACCTGCAGCAGATCTGTGAGATCATGCTCTTCTGAGGGCTTCTGGAGGCCAAGACTCTGGCGAAAA  
 AGATGACGGTTCTGTATAAGCTGGCCGGGAGCAGCTGTCCAAGCAGTACTACTATGATTTTGGACTCAG  
 AGCCCTGAAATCGGTGCTGGTATGGTGGTGAGCTGAAGAGAGGCTCCTCTGACCTTAGGGAGGACGTG  
 GTGCTGATGAGGGCCTTGCAGACATGAACTTGCCCAAATTTGTGTTGAAGATGTTCTCTTTTCTTG  
 GTTTGATTTCCGATCTGTTTCTGGGCTGGACTGCCCTCGCGTCCGCTACCCTGACTTCAACGATGCGGT  
 AGAGCAGGTCCTGGAGGAGAACGGCTACGCGTCTACCCATCCAGGTGGATAAAGTGGTCAAATGTTT  
 GAGACCATGTTAACCCGCCACACGACGATGGTGGTGGGGCCACCAGAGGGGGCAAGTCCGTCGTCATTA  
 AACTCTGTGTCAGGCCAGACCAAGCTTGGGCTGACGACAAAGTTGTACATCCTGAACCCAAAGCCGT  
 GAGTGTACATAGAACTCTACGGCATCCTGGACCCAAACCCGAGACTGGACAGATGGGGTGTGTCAAAC  
 ATCTTCAGGGAAATCAACAAGCCAAACAGACAAGAAGGAGCGAAAGTATATTTTATTTGATGGTGTGTGG  
 ATGCTCTATGGGTGGAACATGAATTTCTGTGATGGATGACAACAGGTTGTTGACATTGGCCAACGGGGA  
 ACGCATCCGGCTCCAAGCACACTGTGCCCTGCTCTTTGAGGTTGGAGATTTACAGTATGCCTCCCCTGCA  
 ACTGTCTCTCGATGTGGAATGGTTATGTGGATCCTAAAACTTGAATATCGACCATACTGGAAAAAT  
 GGGTTAATCAAATACAAACAAGGTGGAGCAATACAATTTGAATAGTCTCTTTGAGAAGTATGTCCCTA  
 TCTCATGGATGTGATAGTGAAGGAATTTGGATGGAAGACAAGCAGAAAAAGCTGAAGCAATAGTTCCT  
 CAGACAGACCTCAATATGGTAACCCAGTTAGCCAAAGATGTTGGATGCGTGTAGAAAGGAGAAATAGAAG  
 ACCTTGACCTGCTGGAGTCTACTTCTGGAGGCTTTGTACTGCTCTCTGGGAGCCTCCCTGCTTGAAGG  
 TGAAGGATGAAATTTGACGAATATATCAAACGCCTTGCTTCTTGTCTACTGTTGACACAGAAGGAGTT  
 TGGGCCAACCCCTGGGAACTGCCAGGTCAACTTCCAACCTTGATGACTTTCATTTTATAACAAACGGA  
 ATCAATGGGTCCCATGGAGTAAATAGTCCAGAGTATATTCATGCCCCGAGAGGAAATTCATCAACAT  
 CCTGGTTCACACAGTGGATAACACTCGGACTACCTGGATATTGGAACAAATGGTAAAATTAAGCAACCT  
 GTTATTTTGTGGTGAATCTGGCACTTCTAAGACAGCCACTACCAGAATTTCTCAAAAAATCTGAGTG  
 AAGAACTAACATTGTGTTAATGGTCAACTTCTCTCCCGCACCAGTCCATGGATATCCAAAGAAATTT  
 AGAAGCAATGTGAAAAAGCGAACCAAGATACTTACGGCCACCATGGGAAAAAGCCTGCTGGTGTTC  
 ATGGATGACATGAATATGCCAAGGGTGGATGAATATGGCAGCAGCAGCCATTGCCTTGTGAAGCTGC  
 GTTTGAAAAAGGCTACTTATATGACCGTGGGAAGGAGCTGAACTGTAAAAGCATTGAGACCTTGGCTT  
 TATTGCTGCAATGGGAAAGGCTGGAGGAGGCCGAATGAAGTTGACCCAAGATTTATTTGCTATTCACT  
 GTCTTCAATGTGCCATTTCTTCCAGAGGAGTCTCTGCATTTAATTTATTCCTCCATCCTGAAAGGCCACA  
 CCTCGACGTTTTCATGAGAGCATTGTGGCTGTGAGTGGCAAGCTGACATTTGACAGCTAGCACTTACAA  
 AAATATTGTGCAAGACCTACCTCCACTCCGTCAAAGTTCCATTACATCTCAACCTTCGAGATCTCTCA  
 CGGGTTTTAATGGTCTTGTCTCACTAACCCGGAGCGATTCCAGACGGTGGCCAGATGGTGAGAGTCT  
 GGAGGAATGAGTGTCTGAGAGTCTTCCAGCAGCGCTGATCAGTGAACAGACAAGCAGCTGGTACAACA  
 GCACATAGGCAGCTTGGTTGTGGAACATTTTAAAGATGACGTGGAGGTGGTGTGATGAGGGATCCCATTG  
 TTTGGAGACTTCCAGATGGCTCTGCACGAAGGAGAACCACGCATTTATGAAGACATCCAGGACTACGAGG  
 CGGCCAAGGCTCTGTTCCAGGAAATTTTGAAGAGTATAATGAAAGCAACACCAAAATGAACTTGGTTCT  
 CTTGACGATGCTCTGGAGCATTTAACCCGGGTGCACCGTATCATCCGCATGGACCGCGGCCACGCCCTG  
 CTGGTCCGGGTAGGGGGCTCAGGAAGCAGTCTCTTTCGAGGCTGGCTGCCTTACAGCCAGCTGTGAGG  
 TGTTTGTGATCCTGCTGAGCCGAGGCTACTCGGAGAACAGTTCCGGGAAGACCTGAAGAGCCTCTATTT  
 GAACTTGGGATTGAGAACAAGCGATGATCTTTCTGTTACGGATGCCCATGTGGCTGAGGAGGGCTTC  
 CTGGAGCTCATCAACAACATGCTGACCTCAGGAATTGTACCTGCGCTTTTTTCTGAAGAGGAGAAAGAGT  
 CTATCCTGAGTCAGATTGGACAGGAAGCTCTGAAGCAAGGCATGGGGCCGGCCAAGGAGTCTGTGTGGCA  
 GTACTTCGTGAACAAAAGTGAAATAACCTGCACATTGCTCTGGGCATGTCGCCAGTGGGGGACACCCTG  
 AGGACCTGGTGCAGAACTTCCCAGGTATGGTAAATAACACTGGTATTGACTGGTTTCATGCCCTGGCCCT  
 CCCAAGCCCTCCATGCGGTGCGAAAGTCTTTCTAGGGTATAATCCAATGATCCCGCAGAAAAATATAGA

AAATGTGGTGAAGCATGTTGTCTTGTTTACCAATCCGTGGACACTACAGCCAACAGTTTCTACAGAAA  
 TTGAGGCGCAGCAACTATGTCACTCCCAAGAACTACCTTGATTTTATTAACACCTATTCAAAATTGCTGG  
 ATGAGAAAACCTCAGTGTAAATAGCTCAGTGCAAGCGTCTGGATGGGGGACTGGACAAGCTGAAGGAGGC  
 CACCATCCAGCTGGACGAGCTGAACCAGAAGCTGGCCGAGCAGAAGATCGTGCTGGCGGAGAAGTCCGCC  
 GCCTGCGAGGCCCTTGCTGGAGGAGATCGCCGTCAACACCCTGTAGCCGAGGAGAAGAAGAACTGGCAG  
 AGGAAAAGGCCATGGAGATAGAGGAGCAGAACAAAGTATTGCCATGGAGAAGGCCGAGGCCGAGACGAC  
 CCTGGCAGAGGTATGCCATCCTGGAGGCCGCAAGCTGGAACCTGCAGAAGCTGGACAAGTCGGACGTG  
 ACTGAGATTAGGTCGTTTGCTAAGCCCCGAAGCAGGTGCAGACGGTCTGCGAATGCATCCTCATCATGA  
 AAGGGTACAAAGAGCTGAACTGGAAGAACAGCAAGGGCGTGATGTCGACCCGAATTTCTGCGGTCTCT  
 GATGGAGATTGATTTTGATTTCGATTACCCAGAGCCAAGTAAAAACATCAAGGCCTCTTGAAGACTCTT  
 AATACCACAACCTGAAGAAATGGAAGCTGTGAGCAAGCCGGGCTGGGGATGCTGAAATTTGTTGAAGCTG  
 TAATGGGCTACTGTGATGTTTTAGAGAAATCAAGCCCAAAGAGAGAAGGTGGCCAGGCTGGAGCGGAA  
 TTTTTACCTCACTAAACGGAACTGAAAGGATCCAGAATGAGTTGCCAGCAATTCAGAAAGAGCTGGAA  
 ACATTGGGTGCCAAATATGAGGCCGCCATACTGAAAAGCAGAAGCTGCAGGAAGAAGCCGAGATCATGG  
 AGAGGCCGCTGATTGCCGAGACAACTCATCTCGGGTCTGGGGTCAAGAAACATCAGGTGGCTGAACGA  
 CCTGGATGAGCTGATGCACCGCCGCTGAAGCTGCTGGGGGACTGCCTGCTCTGCCGGGCTTTCCTCAGC  
 TACGAGGGAGCCTTACCTGGGAGTTCCGTGACGAGATGGTCAATCGGATTTGGCAAAATGACATCCTGG  
 AGCGGGAGATCCCCTGAGCCAGCCTTTCGGCTGAAAGCCTGCTCACGGATGATGTTGAGATCAGCAG  
 ATGGGGATCCCAGGGCCTTCCCCCGATGAGCTCTCCGTTTCAAGATGGCATCCTCACACCCGGGCCAGC  
 CGCTTCCCTCTGTGATCGACCCCCAGCAGCAGGCCCTCAACTGGATCAAGAGAAAAGAGGAGAAGAACA  
 ATCTGCGGGTCCGTTCTTTAATGACCCGACTTCTCAAGCAGCTAGAGATGTCATAAAGTACGGGAC  
 CCCTTTCCTGTTCCGCGATGTTGATGAATACATCGATCCTGTGATTGACAACGCTTAGAAAAAATA  
 AAAGTCTCCAAGGACGGCAGTTTATTATCTGGGAGACAAGAAAGTGGACTATGATTCAATTTTCAGAC  
 TGTACCTGAACACCAAGCTGGCCAAATCCAGATATTTCCCATCCGTGTTTGGGAAAGCTATGGTGATCAA  
 TTACACTGTCACGCTGAAGGGCCTGGAGGACCAGCTGCTGAGCGTCTGGTGGCTTACGAGAGCGGGAG  
 CTGGAGGAGCAGCGGAGCACCTCATCCAGGAGACCAGCGAGAACAAGAACCTGCTCAAGGACCTGGAAG  
 ATTCCCTCCTTCGGGAGCTGGCCAGTCCACGGGAACATGCTGGACAATGTGGACCTGGTGACACCCCT  
 GGAGGAGACCAAATCCAAGGCAACAGAGGTCTCAGAGAACTCAAGCTGGCGGAGAAGACAGCCTTGGAC  
 ATCGACAGGCTGCGGGATGGCTACCGGCCAGCAGCCAGGAGGGGGCCATCCTGTTCTTCGTCCTGTCTG  
 AGATGGCCCTGGTGAACCCATGTACCAGTACTCCCTGATTGCCTTCTTAGAGGTCTTCAGGCTGCTACT  
 GAAGAAGTCGCTGCTGATTCCATCCTCATGAAACGCCTGAGGAACATCATGGACAGCTGACCTTCAGC  
 ATCTATAACCACGGCTGCACAGGCTGTTTGGAGGACACAAGCTACTCTTTTCTTTAATATGACCATCA  
 AGATAGAACAAGCAGAAGGGAGAGTCCCTCAAGAAGAACTAGATTTCTTTTTAAAAGGAAACATTTCCCT  
 GGAGAAAAGCAAAAAGAAAAAGCCCTGCGCTTGGTTGTCTGACCAAGGATGGGAAGATATCATTCTTTTA  
 TCAGAAATGTTTTAGACAACCTTGGGCAACTTCTGATGATGTTGAGAAATATCAGACTGTCTGGCAGG  
 AGTGGTATGACCTGGATTCACTGGAGCAGTTTCCCGTCCCCTTGGGTTACGATAACAACATCACCCCTTT  
 CCAGAAGTTGCTATTTTGCCTGTTTCCGTGTGGATCGGGTCTATCGGGCCGTGACTGACTATGTGACT  
 GTAACAATGGGAGAGAAGTATGTGCAGCCCCAATGATCAGCTTTGAAGCTATTTTTGAGCAGAGCACTC  
 CACATTCGCCCATTTGTGTTTATCCTGAGTCTGGCTCCGACCCTGCCACTGATCTTATGAAATAGCAGA  
 GCGAAGTGGTTTTGGAGGAAATCGCCTCAAATTCCTTGAATGGGTCAAGGTCAAGAAAAGGTGGCCCTG  
 CAGCTGCTGGAGACGGCGGTGGCTCGGGGGCAGTGGCTGATGCTGCAGAAGTCCACCTCCTGGTCAAGT  
 GGCTGAAAGATCTGGAGAAGTCCCTGGAGAGGATCACCAAGCCCCACCCAGACTTCCGCCTGTGGCTCAC  
 CACGGACCCCAAGGGCTTCCCATTGGGATTTCTGCAGAAGTCCCTAAAGGTTGTACCAGGACCCACC  
 AATGGGCTGAAACTCAACATGAGGGCAACTTACTTCAAGATCTCTCACGAAATGCTGGACCAGTGCCCGC  
 ACCCTGCCTTCAAGCCGCTGGTCTACGTGCTGGCGTCTTTTCATGCTGTGGTGCAGGAGAGAAGGAAGTT  
 TGGGAAGATTGGCTGGAACGTGACTATGACTTCAATGAGTCTGACTTCCAGGTCTGCATGGAATTTCTG  
 AACACGTAATTAACGAAAGCCTTCCAGCAACGGGACCCAAAGGATCCCGTGGGGCAGCCTCAAGTACCTAA  
 TTGGAGAGGTCATGTATGGAGGACGGGCCATCGACAGCTTTGATCGCCGATCCTGACCATCTACATGGA  
 TGAGTACCTGGGGACTTCAATTTTGAATTTCCAGCCATTCCACTTCTTCCGGAACAAGGAAGTGGAC  
 TACAAAATCCCTGTTGGTGTGAAAAGGAGAAATTTGTTGAAGCCATCGAGGCCCTCCCGCTTGGCAACA  
 CGCCAGAAGTGTGGTCTCCACCCCAACGCTGAGATTGGCTATTACACGAGGGCGGCTCGAGACATGTG  
 GGCTCACCTGCTGGAGCTGCAGCCTCAGACAGGGGAATCCAGCAGTGGTATCAGCCGCGATGATTATATT

GGCCAAGTGCCAAAGAAATAGAAAACAAGATGCCCAAAGTCTTTGACTTGGACCAGGTGAGGAAGCGCC  
 TCGGAACAGGACTCTCCCCACTTCGGTGGTGTCTCTGCAGGAAGTGAACGCTTCAACAAGCTTGTGGT  
 CCGGATGACGAAGTCTCTGGCTGAACCTCAAAGGGCTTGGCTGGAGAAGTTGGAATGAGCAATGAGTTA  
 GATGATGTGGCCAGGTCTTTTTATCGGGCATATCCCTAATATCTGGAGAAGGCTTGTCTCTGACACCT  
 TAAAGTCCCTTGAAACTGGATGGTCTACTTCTGCGGCGGTTACGCCAGTACATGTTGTGGGTGACCGA  
 GAGCGAGCCAGCGTGATGTGGCTCTCGGGCTGCACATCCCTGAGTCTACCTACGCGCGCTGGTGCAG  
 GCCACCTGCCGGAAGACGGCTGGCCACTGGACCGCTCCACCTGTTTACACAAGTGACCAAGTCCAGG  
 ATGCAGATGAAGTGAATGAGCGGGCGGACAAGGATGCTTTGTCTCAGGACTGTACTTGGAAAGTGTCTGA  
 CTGGGATATAGAAAAAGGATGTCTTATCAAGAGCAAACCAAGGTGCTGTTGTGGACTGCCGATCCTG  
 AAGATCATCCCCATTGAAGCCCATCGCCTCAAGCTGCAGAATACTTCCGGACCCCGTCTACACCACCT  
 CCATGAGAAGGAACGCCATGGGAGTCGGCTTGGTTTTTGAAGCTGATCTCTTACCACGAGGCACATTTCT  
 TCACTGGGTGCTGCAAGGAGTATGCCTCACCTGAATTCTGAT

ACGCGTACGCGGCGGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RC229482 representing NM\_207437

Red=Cloning site Green=Tags(s)

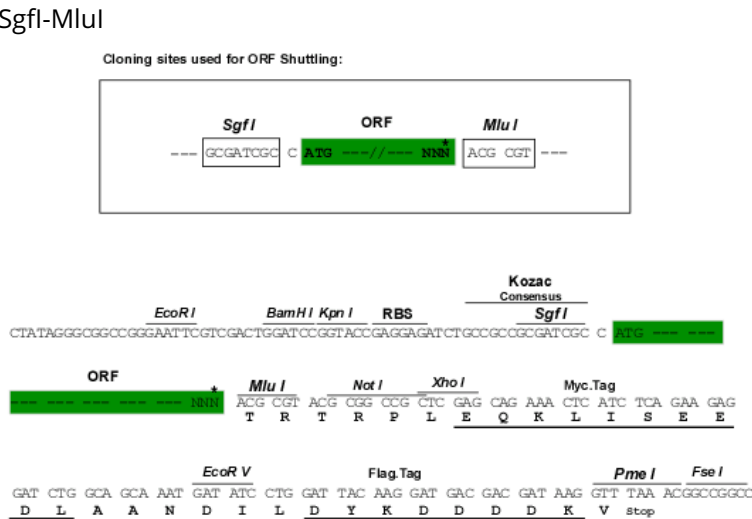
MVP E E V E V E I D E I P V L S E E G E E E E T Y S Q K V E S V D K V R A K R V S L R T E S L G Q P L N R E D E E M D K E I S E K L P S  
 K R T A K H I M E K M H L H M L C T P L P E E F L D Q N V V F L R N T K E A I S E A T M K E A M E I M P E T L E Y G I I N A N V L H F L  
 K N I I C Q V F L P A L S F N Q H R T S T T V G V T S G E V S N S S E H E S D L P P M P G E A V E Y H S I Q L I R D E F L M N V Q K F A S N  
 I Q R T M Q Q L E G E I K L E M P I I S V E G E V S D L A A D P E T V D I L E Q C V I N W L N Q I S T A V E A Q L K K T P Q G K G P L A E I  
 E F W R E R N A T L S A L H E Q T K L P I V R K V L D V I K E S D S M L V A N L Q P V F T E L F K F H T E A S D N V R F L S T V E R Y F K N  
 I T H G S G F H V V L D T I P A M M S A L R M V W I I S R H Y N K D E R M I P L M E R I A W E I A E R V C R V V N L R L T F K E N R A S A Q  
 S K T L E A R N T L R L W K K A Y F D T R A K I E A S G R E D R W E F D R K R L F E R T D Y M A T I C Q D L S D V L Q I L E E F Y N I F G P  
 E L K A V T G D P K R I D D V L C R V D G L V T P M E N L T F D P F S I K S S Q F W K Y V M D E F K I E V L I D I I N K I F V Q N L E N P P  
 L Y K N H P P V A G A I Y W E R S L F F R I K H T I L R F Q E V Q E I L D S D R G Q E V K Q K Y L E V G R T M K E Y E D R K Y E Q W M E V T  
 E Q V L P A L M K K S L L T K S S I A T E E P S T L E R G A V F A I N F S P A L R E I I N E T K Y L E Q L G F T V P E L A R N V A L Q E D K  
 F L R Y T A G I Q R M L D H Y H M L I G T L N D A E S V L L K D H S Q E L L R V F R S G Y K R L N W N S L G I D Y I T G C K Q A I G K F E  
 S L V H Q I H K N A D D I S S R L T L I E A I N L F K Y P A A K S E E E L P G V K E F F E H I E R E R A S D V D H M V R W Y L A I G P L L T  
 K V E G L V V H T N T G K A P K L A S Y Y K Y W E K K I Y E V L T K L I L K N L Q S F N S L I L G N V P L F H T E T I L T A P E I I L H P N  
 T N E I D K M C F H C V R N C V E I T K H F V R W M N G S C I E C P P Q K G E E E E V I I N F Y N D I S L N P Q I I E Q A V M I P Q N V H  
 R I L I N L M K Y L Q K W K R Y R P L W K L D K A I V M E K F A A K K P P C V A Y D E K L Q F Y S K I A Y E V M R H P L I K D E H C I R L Q  
 L R H L A N T V Q E N A K S W V I S L G K L L N E S A K E E L Y N L H E E M E H L A K N L R K I P N T L E D L K F V L A T I A E I R S K S L  
 V M E L R Y R D V Q E R Y R T M A M Y N L F P P D A E K E L V D K I E S I W S N L F N D S V N V E H A L G D I K R T F T E L T R G E I M N Y  
 R V Q I E E F A K R F Y S E G P S V G D D L D K G V E L L G V Y E R E L A R H E K S R Q E L A N A E K L F D L P I T M Y P E L L K V Q K E  
 M S G L R M I Y E L Y E G L K V A K E E W S Q T L W I N L N V Q I L Q E G I E G F L R A L R K L P R P V R G L S V T Y Y L E A K M K A F K D  
 S I P L L L D L K N E A L R D R H W K E L M E K T S V F F E M T E T F T L E N M F A M E L H K H T D V L N E I V T A A I K E V A I E K A V K  
 E I L D T W E N M K F T V V K Y C K G T Q E R G Y I L G S V D E I I Q S L D D N T F N L Q S I S G S R F V G P F L Q T V H K W E K T L S L I  
 G E V I E I W M L V Q R K W M Y L E S I F I G G D I R S Q L P E E A K K F D N I D K V F K R I M G E T L K D P V I K R C C E A P N R L S D L  
 Q N V S E G L E K C Q K S L N D Y L D S K R N A F P R F F I S D D E L L S I L G S S D P L C V Q E H M I K M Y D N I A S L R F N D G D S G  
 E K L V S A M I S A E G E V M E F R K I L R A E G R V E D W M T A V L N E M R R T N R L I T K E A I F R Y C E D R S R V D W M L L Y Q G M V  
 V L A A S Q V W W T W E V D V F H K A Q K G E K Q A M K N Y G R K M H R Q I D E L V T R I T M P L S K N D R K K Y N T V L I I D V H A R D  
 I V D S F I R G S I L E A R F D W E S Q L R F Y W D R E P D E L N I R Q C T G T F G Y G Y E Y M G L N G R L V I T P L T D R I Y L T L T Q  
 A L S M Y L G G A P A G P A G T G K T E T T K D L A K A L G L L C V V T N C G E G M D Y R A V G K I F S G L A Q C G A W G C F D E F N R I D  
 A S V L S V I S S Q I Q I R N A L I H Q L T T F Q F E G Q E I S L D S R M G I F I T M N P G Y A G R T E L P E S V K A L F R P V V V I P  
 D L Q Q I C E I M L F S E G F L E A K T L A K K M T V L Y K L A R E Q L S K Q Y H Y D F L R A L K S V L V M A G E L K R G S S D L R E D V  
 V L M R A L R D M N L P K F V F E D V P L F L G L I S D L F P G L D C P R V R Y P D F N D A V E Q V L E E N G Y A V L P I Q V D K V V Q M F  
 E T M L T R H T T M V V G P T R G G K S V V I N T L C Q A Q T K L G L T T K L Y I L N P K A V S V I E L Y G I L D P T T R D W T D G V L S N  
 I F R E I N K P T D K K E R K Y I L F D G D V D A L W E N M N S V M D D N R L L T L A N G E R I R L Q A H C A L L F E V G D L Q Y A S P A  
 T V S R C G M V Y V D P K N L K Y R P Y W K K W V N Q I P N K V E Q Y N L N S L F E K Y V P Y L M D V I V E G I V D G R Q A E K L K T I V P  
 Q T D L N M V T Q L A K M L D A L L E G E I E D L D L L E C Y F L E A L Y C S L G A S L L E D G R M K F D E Y I K R L A S L S T V D T E G V

WANPGELPGQLPTLYDFHFDNKRNQWVPWSKLVPEYIHAPERKFINILVHTVDTTRTTWILEQMVKIKQP  
 VIFVGESGTSKTATTQNFLKNLSEETNIVLMVNFSSRTTSMDIQRNLEANVEKRTKDYGPPMGKRLLV  
 MDDMNMPRVDEYGTQQPIALLKLLLEKGYLYDRGKELNCKSIRDGLFIAAMGKAGGRNEVDPFRFISLFS  
 VFNVPFPSEESHLIYSSILKGTSTFHESIIVAVSGKLTFTALYKNIQDLPPTPSKFHYIFNLRDLS  
 RVFNGLVLTNPERFQTVAQMVRVWRNECLRVFHDRLISETDKQLVQQHIGSLVVEHFKDDVEVMDRPI  
 LGDFQMALHEGEPRIYEDIQDYEAALKFQEILEEYNESNTKMNLVLFDDALEHLTRVHRIIRMDRGHAL  
 LVGVGGSGKQSLSRLAAFTASCEVEFILLSRGYSENSFREDLKSLEYLKLGIENKAMIFLTDVAHVAEEGF  
 LELINNMLTSGIVPALFSEEEKESILSQIGQEALKQGMGPAKESVWQYFVNKSANNLHIVLGMSPVGD  
 RTWCRNFPGMVNTGIDWFMPWPPQALHAVAQSKFLGYNPMIPAENIENVVXHVVLVHQSVDHYSQQFLQK  
 LRRSNYVTPKNYLDINTYSKLLDEKTCQNIACQCKRLDGGDLKLEATIQLDELNQKLAQKIVLAEKSA  
 ACEALLEEIAVNTAVAEKKLAEEKAMEIEEQNKVIAMEKAEATTLAEVMPILEAAKLELQKLDKSDV  
 TEIRSAFKPPQVQTVCECILIMKGYKELNWKTAGVMSDPNFLRSLMEIDFDSITQSQVKNIKLGLLKT  
 NTTTEEMEAVSKAGLGLMVFVAVMGYCDVREIKPKREKVARLERNFYLTRELERIQNELAAIQKELE  
 TLGAKYEAAILKQKLQEEAEIMERRLIAADKLSGLGSENIRWLNLDLDELHRRVVKLLGDCLLCAAFLS  
 YEGAFTWEFRDEMNVRIWQNDILEREIPLSQPFRLESLLTDDVEISRWGSQGLPPDELVSQNGILTTRAS  
 RFPLCIDPQQQALNWIKRKEEKNNLRVASFNDPDLKQLEMSIKYGTPLFRDVEYIDPVIDNVLEKNI  
 KVSQGRQFIILGDKEVDYDSNFRLYLNTKLANPRYSPSVFGKAMVINYTVTLKGLDQLLSVLVAYERRE  
 LEEQREHLIQETSENKNLLKDLEDKLLRELATSTGNMLDNVLDVHTLEETSKATEVSEKLLKLAETALD  
 IDRLRDGYRPAARRGAILFFVLSEMAVNSMYQYSLIAFLEVFRLSLKSLPDSILMKRLRNIMDTLTF  
 IYNHGCTGLFERHKLFSFNMTIKIEQAEGRVPQEELDFLKGNISLEKSKRKKPCAWLSDQGWEDIILL  
 SEMFSDNFGQLPDDVENNQTVWQEWYDLSLEQFPVPLGYDNNITPFQKLLILRCFRVDRVYRAVDYV  
 VTMGEKYVQPMISFEAIFEQSTPHSPIVFIILSPGSDPATDLMKLAERSGFGGNRLKFLAMGQGQEKVAL  
 QLLETAVARGQWMLQNCHELLVKWKDLEKSLERITKPHPDFRLWTTDPTKGFPIGILQKSLKVVTEPP  
 NGLKLNMRATYFKISHEMLDQCPHAFKPLVYVLAFFHAVVQERRKFGKIGWNVYDFNESDFQVCMEIL  
 NTYLTKAFQQRDPRIPWGSCLKYLIGEVMYGGRIDSFDRRILTIYMDEYLGDFIFDFTQPFHFRNKEVD  
 YKIPVGDEKEKFEAIEALPLANTPEVFLHPNAEIGYYTQAARDMWAHLELQPQTGESSSGISRDDYI  
 GQVAKEIENKMPKVFDLQVRKRLGTGLSPTS SVLLQELERFNKLVVRMTKSLAELQALAGEVGM SNEL  
 DDVARSLFIGHIPNIWRRAPDTLKSLGNMVMYFLRRFSQYMLWVTESEPSVMWLSGLHIPESYLTALVQ  
 ATCRKNGWPLDRSTLFTQVTKFQDADEVNERAGQGCFVSGLYLEGADWDIEKGCLIKSKPKVLVVDLPIL  
 KIIPIEAHRLKLQNTFRTPVYTTSMRRNAMGVLVFEADLFTTRHISHWLVQGVCLTLNSD

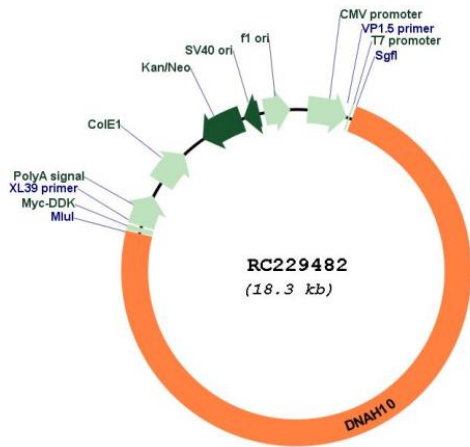
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Cloning Scheme:



\* The last codon before the Stop codon of the ORF

**Plasmid Map:**


**ACCN:** NM\_207437

**ORF Size:** 13413 bp

**OTI Disclaimer:** Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at [custsupport@origene.com](mailto:custsupport@origene.com) or by calling 301.340.3188 option 3 for pricing and delivery.

The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

**Components:** The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

|                               |   |
|-------------------------------|---|
| <b>Reconstitution Method:</b> | <ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.</li></ol> |
| <b>RefSeq:</b>                | <a href="#">NM_207437.3</a> , <a href="#">NP_997320.2</a>   |
| <b>RefSeq ORF:</b>            | 13416 bp  |
| <b>Locus ID:</b>              | 196385  |
| <b>UniProt ID:</b>            | <a href="#">Q8IVF4</a>  |
| <b>Cytogenetics:</b>          | 12q24.31  |
| <b>MW:</b>                    | 514.7 kDa   |
| <b>Gene Summary:</b>          | Dyneins are microtubule-associated motor protein complexes composed of several heavy, light, and intermediate chains. The axonemal dyneins, found in cilia and flagella, are components of the outer and inner dynein arms attached to the peripheral microtubule doublets. DNAH10 is an inner arm dynein heavy chain (Maiti et al., 2000 [PubMed 11175280]). [supplied by OMIM, Mar 2008]  |