

Product datasheet for **SC308771**

DNAH1 (NM_015512) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: DNAH1 (NM_015512) Human Untagged Clone
Tag: Tag Free
Symbol: DNAH1
Synonyms: CILD37; DNAHC1; HDHC7; HL-11; HL11; HSRF-1; SPGF18; XLHSRF-1
Vector: pCMV6 series
Fully Sequenced ORF: >NCBI ORF sequence for NM_015512, the custom clone sequence may differ by one or more nucleotides

```

ATGGAGCAGCCTAACAGTAAAGGCTATAGCCTGGGAAGGACCCCTCAGGGCCAGAGTGC
AGCAGTGCCTCTGCAGTCCAAGTGGGGACCCACAGGGCCTAGAGTATAACCCGGGGAAG
ATTCTTCCAGGATCAGACTATGGGTTGGGAAATCCTCCAGCCCTTGACCCCAAGTCCCA
CATTTACCCCTGCCCCCGGCCACCCACACTCTCAGACTTGGGGCAGCCACGGAAGTCA
CCCCTGACAGGCACTGATAAGAAGTACCCGCTGATGAAGCAGCGTGGGTTCTACTCCGAC
ATCCTCAGCCCTGGAACCTTAGATCAACTTGGGGAGGTATGTCGTGGCCCCGAATGAGC
CAGAACCTCCTGGGCAGGCTGACCTTGACAAGTTCACCCCAAGAGTCGGAAGCTTTGAG
GTTCTGAAGACTTCCAGGAGCGCATGGAGCAGCAGTGCATCGGGTCCACCACCCGGCTG
CTCGCCAGACTGACTTCCCCTGACAGGCTACGAGCCCAAGATGCAGGTGCCTTTCCAG
GTGCTGCCAGGCCAGCATCCTCGCAAGATTGAGATCGAGAGGAGGAAACAGCAGTACCTG
AGCCTGGACATTGAGCAGTTGCTGTTGACCCAGGGCATCGACTCCAACAAGCTCATGCC
AGGCACCTGGACCACCAGCACCCCAAAACCATCGAACAGGGCCATGACCCAATCTTCCC
ATCTACCTCCCCTGAAGGTATTTGACAATGAGGACTTTGACTGCCGGACTCCCAGAGAG
TGGATCAACATGGGCTTGGAGCCAGGGTCTCTGGACAGGAAACCTGTCCCGGAAAAGCC
CTCTTGCCCACTGATGACTTCTGGGGCATGAGGACCCCAAGAGTCAGAAGCTGAAGTAC
AAATGGTGCGAGGTCGGGCTCCTGGACTACGACGAGGAGAAGAAGCTATACCTGGTACAC
AAGACAGACGAGAAGGCCTGGTGCAGATGAGATGGGGAGGCCATCCTGAATGCAGGG
GTCACCACTGAAGGAAGGCCACCCCTTCAGGTCTGTCAGTACTGGGTGCCACGGATCCAG
CTTCTTCTGCGCTGAGGACCCCTGTCATGTTGCGACAACGTGTGGTCCAGGCCAACGCC
CTGCGCAAGAACACGGAAGCACTGCTGCTTACAACCTGTATGTGGACTGCATGCCCTCT
GACGGCCAGCATGTCATCAGTGAACAGAGCCTGAGCAAGATCAAGCAGTGGGCCCTGAGC
ACGCTCGGATGCGCAAAGGCCCTCGGTTCTAGAGCACCTCAGCAGTCTTGCCAGAGAA
GTGAGCCTGGACTATGAGCGCAGCATGAACAAGATCAACTTTGACCACGTTGTCTCTTCC
AAGCCCGAGACCTTCTCCTACGTACCCTCCCAAGAAGGAGGAGGAGCAGGTGCCTGAG
CGAGGGCTGGTGTGAGTGTCCCAAGTACCACTTCTGGGAGCAGAAGGAGGACTTCACTTTC
GTGTCCTGCTCACACGGCCAGAGGTCATCACGGCCCTCAGCAAGGTGAGGGCCGAGTGC
AACCAAGGTGACCGCCATGTCCCTGTTTCCACTCGAGCCTCTCCAAGTACAGCCACCTGGAG
GAATTTGAGCAGATCCAGTACAGACCTTCTCCAGGTGCAGATGTTCTCAAGGACAGC
TGGATCAGCTCGCTAAAGGTGGCCATGCGCAGCAGCCTGCGCGACATGAGCAAGGGCTGG

```



[View online »](#)

TACAACCTCTACGAGACCAACTGGGAGGTGTACCTCATGTCCAAGCTGCGCAAGCTGATG
GAGCTGGTGAAGTACATGCTGCAGGACACACTGCGCTTCTGGTGCAGGACTCACTTGCC
AGCTTCTCACAGTTATCAGCGACACCTGTTGCAGCGTGTCAACTGCACCGATGACATG
GTCTGGGGTGACGACTTAATTAACAGCCCCTACAGGCCCCGGAAGAAATCCCCTGTTTCATC
ATGGACCTGGTGTGACAGCTCTGGGGTGACTATAGCACCCCCTGGAGCAGTTTGAG
GCATCTCTGCTGAACCTTTGACAAGGGCATCCTGGCCACCCATGCCGTGCCCAAGCTG
GAGAAGCTGGTGTGAGGACATCTTCATCAGCGGTGACCCCCTGCTGGAGTCCGTGGGC
CTTCATGAGCCACTGGTGGAAAGACTACGGGCCACCATTCGCCAGTGCCGTGTCCAAGGCC
ATGATCCCACTGCAGGCCTACGCCAAGGAGTACCGAAAGTACCTGGAGCTGAACAACAAT
GACATTGCCTCCTTTCTCAAACCTACCAGACGCAGGGCCTGTTGGCCAGGAGGTGCGG
GAGGTAGTGCTCACCCACCTGCGGGAGAAGGAGATCCTGGACAGCTCGCTGCCAGCAGC
ATCATCATTGGGCCTTTCTACATCAACACCGACAATGTCAAGCAGAGCCTGTCCAAGAAA
CGCAAGGCCCTGGCCACTTCCGTGCTGGACATCCTTGCCAAGAACCTGCATAAGGAGGTG
GATAGCATCTGCGAGGAGTTCGCAGCATCAGCCGCAAGATCTATGAGAAGCCCAACAGC
ATTGAGGAGCTGGCTGAGCTGCGAGAGTGGATGAAGGGCATCCCCGAGAGGCTGGTGGGC
CTGGAGGAGCGGATTGTGAAGGTATGGATGACTACCAGGTATGGATGAATTCCTCTAC
AACCTCAGCTCAGATGACTTCAATGACAAATGGATTGCCAGCAACTGGCCTTCTAAGATC
CTTGGGCAGATAGAGCTGGTGCAGCAGCAGCATGTGGAGGATGAGGAGAAGTTCCGCAAA
ATCCAGATCATGGATCAGAACTTCCAAGAGAAGCTGGAAGGGCTGCAGCTGGTAGTA
GCTGGCTTCTCCATCCATGTGGAGATTTACGTGCACACGAGATCGCCAACGAGGTGCGG
CGTGTCAAGAAGCAGCTGAAGGACTGCCAGCAGCTGGCCATGCTCTACAACAACCGCGAG
CGCATCTCAGCTTGCCATCACCAATTATGACAAGCTCTCCAGGATGGTGAAGGAGTTC
CAACCCTACCTGGACCTTTGGACCACAGCGTCTGACTGGCTGCGTGGTGGAGAGCTGG
ATGAATGACCCCCTCTGCCATCGATGCTGAGCAGCTGGAGAAGAACGTGGTTGAAGCC
TTCAAGACCATGCACAAGTGCCTGAAGCAGTTAAGGACATGCCAGCCTGCCAGGAAGTG
GCCTTGGACATCCGGGCCGCATCGAGGAGTTCAAACCATACTCCCACTGATCCAGGGG
CTGCGCAACCCTGGCATGCGGATCCGGCACTGGGAGACTGTCCAACCAGATCAACATC
AATGTCAGGCCCAAGGCCAACCTGACCTTTGCTCGCTGCCTGGAGATGAACCTGCAGGAC
CATATCGAGAGCATCAGCAAGGTGGCTGAGGTGGCTGGCAAGGAGTACGCCATCGAGCAG
GCACTGGACAAGATGGAGAAGGAGTGGTCGACCATCCTGTTCAATGTAAGTCCCTACAAG
GCGACAGACACCTACATCCTGAAGAGCCCGGACGAGGCCTCACAGCTGCTGGACGACCAC
ATCGTCATGACCCAGAATATGTCAATTTTACCCTACAAGAAGCCCTTTGAGCAGCCGATC
AACTCCTGGGAGAACAACCTGAAGCTGACCCAGGAGGTTCTGGAGGAGTGGCTGAACTGT
CAGCGGTCTGGCTCTACCTGGAGCCCATCTTTAGCTCTGAGGACATCAACCAGCAGCTG
CCTGTGGAGAGCAAGCGCTACCAGACCATGGAGCGGATCTGGAAGAAGATCATGAAGAA
GCCTACGAGAACCGGGAGGTGATCAATGTGTGTTCCGACCTGAGAATGCTGGACAGCCTG
CGGGACTGCAACAAGATTCTGGACCTGGTGCAGAAGGGCCTCAGCGAGTATCTGGAGACC
AAGAGGAGCGCCTTCCCCAGATTCTACTTCTGTGATGATGAAGTACTAGAGATCTTG
TCGACAGCAAAGGACCCACGGCCGTGCAGCCACACCTGCGCAAGTGTTCGAGAACATC
GCTCGGCTGCTATTCCAGGAGGACCTGGAGATCACGCACATGTAAGTCAAGCCGAGGGGAG
GAGGTACAGTTGTGCTTCTCCATCTACCCTCCAGCAACGTGGAGGACTGGCTGCGGGAG
GTGGAGCGCAGCATGAAGGCCAGTGTGCACGACATCATTGAGAAGGCCATCAGGGCCTAC
CCCACGATGCCAGGACCCAGTGGGTTCTGAACTGGCCTGGCCAGGTGACCATCGCTGGG
TGCCAGACCTACTGGACCATGGAGGTGGCAGAGGCTCTGGAGGCCGGCAACCTCAGAAGC
CAACTGTTCCCCAGCTCTGCCAGCAGCTCAGTGATCTGGTGGCCCTTGTGCGGGGGAAG
CTGTCCCAGATGCAGCGGCAGTGTGTCAGCGTAATCGTCATTGAGGTCCATGCCAAG
GACGTGGTGAAGCAAGCTAATCCAGGAGAAGCTGGTGCAGCGTGAATGACTCCAGTGGATC
TCACAGCTGAGGTAAGTACTGACAAATAATGACCTGTATATCCGTGCTGTGAATGCTGAG
TTCATCTATGGCTATGAGTACCTGGGCAACAGTGGGAGGCTGGTGTACACGCCCCCTACC
GACAGGTGCTACCTGACACTGACCCGAGCTCTGCACCTCAAGTTTGGGGGTGCCCAAGCT
GGCCAGCTGGCAGGCAAAAAGTGAAGACCAAAAGACCTGGGTAAAGCCTTGGCCATA
CAGACCGTTGTGTTCAACTGCTCTGACCAGCTCGACTTCATGGCCATGGCAAGTTCTTC

AAGGGCCTGGCCAGTGTCTGGGGCCTGGGCCTGCTTCGACGAGTTCAATCGCATCGACATC
GAGGTGCTGTCTGTGGTGGCGCAGCAGATCACCACCATCCAGAAGGCGCAGCAGCAGCGG
GTGGAACGCTTTCATGTTTGAGGGTGTGGAGATCCCCTGGTGCCATCCTGCGCAGTGTTT
ATCACCATGAACCCGGGTACGCTGGCCGACGGAGCTGCCTGACAATCTGAAGGCGCTC
TTCCGACCCGTGGCCATGATGGTCCAGATTACGCCATGATCACTGAGATCTCCCTCTAT
TCCTTTGGCTTTAATGAGGCCAGTGTGCTGGCTAAGAAGATCACAAACACCTTCAAGCTG
TCTTCTGAGCAGTCACTCCAGGATCACTATGACTTCGGGATGAGAGCCGTGAAAACT
GTGATCTCGGCTGCTGGGAACCTCAAGCGAGAAAACCCACGATGAATGAGGAGCTGATC
TGCTCCGGGCCATCCGTGATGTGAACGTGCCAAGTTCTGCAGGAGGACCTCAAGCTC
TTCTCTGGCATCGTGTCCGACCTGTTTCCACCATCAAGGAGGAGGACACGGACTACGGC
ATCCTGGATGAGGCCATCCGCGAGGCTGCAGGAACAGCAACCTCAAGGATGTGGAGGGC
TTCCTGACAAAGTGCATCCAGCTCTACGAGACCACGGTGGTACGACACGGCCTCATGCTC
GTCGGGCCACAGGCTCCGGCAAGAGTACTTGTACAGAGTCTGGCAGCTGCCATGACG
TCACTGAAAGGGCAGCCATCCATCAGTGGTGGCATGTACGAGGCTGTCACTACTACGTG
CTCAACCCCAAGTCCATCAGATGGGCCAGCTGTACGGGGAGTTTGACCTCCTCACCCAT
GAGTGGACAGACGGGATATTCTCCTCGTTCATCCGGGCGGGGCCATCACCTCCGACACC
AACAAAGAAGTGGTACATGTTTCGATGGGCCGGTGGATGCCATCTGGATTGAGAATGAAC
ACGGTGTGGATGACAACAAGAAGCTGTGCCTCAGCTCTGGGGAGATCATCAAGCTCACA
GAGGCAATGACCATGATGTTTCGAGGTGCAAGACCTGGCGGTGGCTTACCAGCTACAGTC
TCCCGCTGTGGCATGGTGTACCTGGAGCCACGATCCTGGGGCTCATGCCCTTTCATCGAG
TGCTGGCTGAGGAAGTGCCTCCCTTGTGAAGCCCTATGAGGAGCATTTCAAGGCCCTC
TTTGTACGCTTCTGGAGGAATCCATCTCCTTCGTTTCGGTCTCAGTGAAGGAGGTGATC
GCCTCAACCAACTGCAACCTGACCATGAGCCTCCTCAAGCTGCTGGCACTGTTCTTCAAG
CCCTTTCTGCCTAGAGAGGGCTCAAGAAAATACCTCTGAAAAGCTGAGTCGCATCGTA
GAGTTGATCGAGCCCTGGTTCATCTTCTCCTGATCTGGAGCGTGGGTGCCACTGGGGAC
AGCAGTGGCCGCACCAAGTTTTCAGCCACTGGCTAAGGCTCAAGATGGAGAACGAACAGCTG
ACTCTGCTTTTCCAGAAGAGGGGCTGGTGTTCGATTACAGGCTGGAGGACGCGGGC
AGTGGCACCAACGACAGTGAAGAGGAGGAATAACAAGCAGTTGCCTGGGTGAAG
TGGATGGACTCCTCAGCTCCATTACCATGGTACCAGACCAACTACTGCAACATCATT
GTGCCCACCATGGACACCGTGCAGATGTCCATTTACTGGACATGCTGCTCACCACAAG
AAGCCCGTGTGTGATTGGGCCAACAGGCACGGGGAAGACGCTCACCATCTCTGACAAG
CTCCTCAAGAACCTGGCACTGGATTACATCAGCCACTTCTCACCTTCTCAGCCCGCACT
TCAGCCAACCCAGACCCAGGACTTCATTGACAGCAAGCTGGACAAGAGGCGGAAGGGTGTG
TTTGGACCACCTCTGGGGCGCACTTTATCTTCTTCATCGATGACCTGAACATGCCGGCC
CTGGAGACCTACGGTGCACAGCCACCCATCGAGCTGTTGCGCCAGTGGATGGACCACGGC
GGCTGGTACGACCCGAAGATCATTGGTGCCTTCAAGAACCTAGTGACATCAACTTTGTC
TGTGCCATGGGCCCCCGGGTGGAGGCAGGAACACCGTCAACCCGCGGCTGATGCGTCAC
TTCAACTACCTGTCTTTTCGCTGAGATGGACGAGGTGAGCAAGAAACGCATCTTCTCCACC
ATCCTGGGCAACTGGTTGGATGGACTCCTTGGAGAAAAAAGCTACCGGGAGCGTGTGCT
GGGGCCCCCACATTGCCCACTTACGGAGCCCTTGTGGAAGCCACCATCATGGTGTAT
GCAACCATCACCTCCCAGCTGCTGCCACTCCAGCCAAGTCCACTACACCTTCAACCTG
AGGGACCTCTCCAAGGTCTTCCAAGGCATGCTCATGGCTGACCCGGCCAAGGTCGAGGAC
CAAGTGCAGTGTGCGACTGTGGTATCACGAGAACTGCCGCGTGTTCGGGACCGACTG
GTGAATGAGGAGGACCGCAGCTGGTTCGACCAGCTCCTCAAGCGTGCATGGAGCAGTGG
GAGGTGACCTTCAACAAGGTCTGCCCTTCCAGCCATTCTTTACGGGGACTTTCATGTCA
CCAGGCTCCGATGTCAAGTCTACGAGCTCATCACCAGTGAAGTAAGATGATGCAGGTG
ATAGAGGAGTACATAGAGGACTACAACCAGATCAACACGGCCAAGCTGAAGCTGGTCTC
TTCATGGACGCCATGAGCCACATCTGTCGCATCAGCCGCACCCTACGCCAGGCGCTGGGC
AATGCACTCCTGTGGCGTGGGTGGCAGCGGCCGACGCTCCCTCACAAGGCTCGCTCG
CACATGGCCGAGTACGAGTGTCTCCAGATTGAACTATCCAAGAACTACGGCATGTCCGAG
TGGCGAGATGATGTGAAGAAGGTCTGTCTCAAGGCGGGCTACAGAACCTACCCATCACC
TTCCTCTTCTCAGACACCCAGATCAAGAACGAATCCTTCTGGAAGATATCAACAACGTC

CTAAACTCTGGTGACATTCCCAATCTGTATACTGCGGACGAGCAGGACCAGATCGTCAGC
 ACCATGCGGCCCTATATCCAGGAGCAGGGCCTACAGCCCACCAAGGCCAACCTCATGGCT
 GCTTACACAGGGCGTGTGCGCAGCAACATCCACATGGTGTGTGCATGAGCCCCATCGGA
 GAGGTCTCCGAGCTCGTCTGAGGCAGTTTCCCTCCCTGGTCAACTGCTGTACCATCGAC
 TGGTTTAAACGAGTGGCCGGCAGAAGCCCTGAAGTCTGTGGCCACCGTGTCTCAATGAG
 ATCCCAGAACTGGAATCCTCCCAGGAAGAAATCCAAGGACTGATCCAGGTCTGTGTGTAC
 ATCCACCAGTCGGTGTCCAAGAAGTGCATCGAGTACCTGGCAGAGCTGACCCGCCACAAC
 TATGTGACCCCCAAGAGCTACTTGGAGCTGCTTCATATTTTCTCCATCCTCATCGGGCAG
 AAGAAACTGGAGCTGAAAAGTGCACCAAGAACCGCATGAAGAGCGGCCTCGACAAGTGTCTG
 CGCACTTCTGAGGATGTAGCCAAGATGCAGGAGGACCTGGAGAGTATGCACCCCCTGTG
 GAGGAGGTGCCAAGGACACCATGCTCACCATGGAGCAGATCAAGGTGGATACGGCCATC
 GCCGAGGAGACCCGGAATTCAGTGCAGACAGAGGAGATCAAAGCCAATGAGAAGGCCAAG
 AAGGCACAAGCTATTGCTGACGATGCCAGAAGGACCTGGACGAGGCGTTGCCAGCCCTG
 GATGCGGCTCTGGCCAGCCTGCGCAACCTCAACAAGAACGATGTGACCGAGGTACGTGCC
 ATGACGCGGCCACCCCGGGTGTAAAAGTGGTCATAGAAGCTGTGTGCATTATGAAAGGC
 ATCAAGCCCAAGAAGGTGCCTGGAGAAAAGCCAGGCACCAAGGTGGATGACTACTGGGAG
 CCTGGCAAGGGGTGCTGCAGGACCCGGGCCACTTCTTGAGAGCCTCTTCAAGTTTGAC
 AAGGACAACATTTGGGATGTGGTGTCAAGCCATCCAGCCGTACATCGATAATGAAGAG
 TTCCAGCCAGCCACCATTTGCCAAGGTGTCCAAGGCTTGCACCTCCATCTGCCAGTGGGTG
 CGCGCCATGCACAAGTACCACTTTGTGGCCAAGGCCGTGGAGCCCAAGCGGCAAGCCCTG
 CTGGAGGCCAGGATGACCTGGGGGTGACACAGAGGATCCTGGATGAGGCAAAACAGCGC
 CTTCTGAGGTGGAGGACGGCATCGCCACAATGCAGGCTAAGTACCGGAATGCATTACC
 AAGAAGGAGGAGCTGGAGCTGAAGTGTGAGCAGTGTGAGCAGCGGCTGGGCCGAGCTGGC
 AAGCTCATCAACGGGCTGTGCGATGAGAAGGTGCGCTGGCAGGAGACGGTGGAGAACCCTG
 CAGTACATGCTCAACAACATCTCCGGCGATGTCCTGGTGGCCGCTGGCTTTGTGGCTAC
 CTGGGCCCTTACGGGCCAGTACCGCACGGTGTCTACGACAGCTGGGTCAAGCAGCTC
 AGGAGCCACAATGTCCCACACACCTCCGAGCCCACGCTAATCGGGACGCTGGGGAACCT
 GTGAAGATCCGATCGTGGCAGATCGCTGGCCTCCCAACGACACACTGTCAGTGGAGAAC
 GGGGTCTCAACCAGTTTTCCAGCGCTGGACCCACTTCAATGACCTCAGAGCCAGGCC
 AACAAATGGATCAAGAACATGGAGAAGGACAATGGGCTGGATGTGTTCAAGTTGAGTGAC
 CGCGACTTCTGCGCAGCATGGAGAACGCCATCCGCTTTGGCAAGCCATGTCTCCTGGAG
 AACGTGGCGGAGGAGCTAGACCCAGCCCTGGAGCCAGTGTGCTCAAGCAGACGTACAAG
 CAGCAGGGAAACACGGTGTGAAGCTGGGGGACACGGTGTACCCCTACCATGAGGACTTC
 AGGATGTACATCACCAACAGCTGCCAAACCCACACTACAGCCCGAGATCTCCACCAAA
 CTCACCTCATCAACTTACCCTGTGCGCCAGTGGCCTAGAGGACCAGCTACTGGGCCAG
 GTAGTGGCAGAGGAGCGACCCGACCTGGAGGAGGCCAAGAACCAGCTGATTATCAGTAAT
 GCCAAGATGCGCCAGGAGCTGAAGGACATTGAGGACCAGATCCTGTACCGGCTCAGCTCC
 TCCGAGGGCAACCCTGTAGATGACATGGAATCATCAAGGTGCTGGAAGCCTCCAAGATG
 AAGGCTGCTGAGATCCAGGCCAAAGTCAAGATTGCAGAGCAGACGGAGAAGGACATCGAC
 CTGACGCGCATGGAGTACATACCCGTGGCCATCCGCACCCAGATCCTCTTCTTGTGTG
 TCCGACCTGGCCAACGTGGACCCCATGTACCAAGTACTCCCTTGTGTTTCTCAACATC
 TTCCTCTCGGGCATCGCCAACCTCAGAGAGAGCAGACAACCTGAAGAAGCGCATCTCCAAC
 ATCAACCCTACCTGACCTACAGCCTCTACAGCAACGTCTGCCGACGCTCTTTGAGAAG
 CACAAGCTGATGTTTGCCTTCTGCTGTGTGTTGCGATCATGATGAACGAGGGCAAAATC
 AACAGAGTGAAGTGGGATACCTCCTGTCTGGGGCTCCATCTCGATCATGACTGAGAAT
 CCGGCACCGGACTGGCTGTCAGACCGGGCTTGGCGAGACATCCTAGCACTCTCGAACCTG
 CCAACCTTTTCTCCTTCTCTTCCGACTTCGTGAAGCACCTCTCAGAATTCGGGTCATC
 TTGACAGCCTTGAGCCCAACGGGAGCCTTTGCCTGGCATCTGGGACCAGTACCTAGAC
 CAGTTCAGAAAGCTGCTAGTCTCCGCTGCCTGCGTGGGACAAGGTTACCAACGCCATG
 CAGGACTTTGTGGCCACCAACCTGGAGCCACGCTTCAATTGAACCCAGACAGCCAATCTG
 TCAGTGGTGTCAAAGACTCCAACCTCACCACACCCCTCATCTTTGTGTGTACCCGGC
 ACAGACCTGTGCCGACCTCTACAAGTTTGCCGAAGAAATGAAGTTCTCAAAAAGCTC

TCTGCCATCTCCCTGGGCCAGGGCCAGGGCCCTCGGGCAGAAGCCATGATGCGCAGCTCC
 ATAGAGAGGGGCAAATGGGTCTTCTTCCAGAACTGCCACCTGGCACCAAGCTGGATGCCA
 GCCCTAGAACGCCTCATCGAGCACATCAACCCCGACAAGGTACACAGGGACTTCCGCCTC
 TGGCTCACCAGCCTGCCAGCAACAAGTCCCAGTGTCCATCCTGCAGAACGGCTCCAAG
 ATGACCATTGAGCCGCCACGCGGTGTGAGGGCCAACTGCTGAAGTCCTATAGTAGCCTT
 GGTGAAGACTTCTCAACTCTGCCACAAGGTGATGGAGTTCAAGTCTCTGCTGTCT
 CTGTGCTTGTTCATGGGAACGCCCTGGAGCGCGTAAGTTTGGGCCCTGGGCTTCAAC
 ATCCCCTATGAGTTCACGGATGGAGATCTGCGCATCTGCATCAGCCAGCTCAAGATGTT
 CTGGACGAATATGATGACATCCCTACAAGTCTCAAGTACACGGCAGGGGAGATCAAT
 TACGGGGCCGTGCTACTGATGACTGGGACCGCGCTGCATCATGAACATCTTGGAGGAC
 TTCTACAACCCTGACGTCTCTCCCTGAGCACAGCTACAGCGCCTCGGGCATCTACCAC
 CAGATCCCGCCTACCTACGACCTCCACGGCTACCTCTCTACATCAAGAGCCTCCCCTC
 AATGATATGCCTGAGATCTTGGCCTGCATGACAATGCCAACATCACCTTGGCCAGAAC
 GAGACGTTGCGCCTCCTGGGCACCATCATCCAGCTGCAACCCAAATCATCTTCTGCAGGC
 AGCCAGGGCCGGGAGGAGATAGTGGAGGACGTCACCCAAAACATTCTGCTCAAGGTGCT
 GAGCCTATCAACTGCAATGGGTGATGGCCAAGTACCCAGTGTGTATGAGGAATCAATG
 AACACAGTACTAGTACAAGAGGTCAATTAGGTACAATCGGCTGCTGCAGGTGATCACACAG
 AACTGCAAGACCTACTCAAGGCACTCAAGGGGCTGGTAGTGATGCTCTCAGCTGGAG
 CTGATGGCTGCCAGCCTGTACAACAATACTGTGCTGAGCTCTGGAGTGCCAAGGCTAC
 CCATCGCTCAAGCCTCTGTATCATGGGTGATGGACCTGCTGCAACGCCTGGACTTTCTG
 CAGGCCTGGATCCAAGATGGCATCCCAGCTGTCTTCTGGATCAGTGGATTCTTCTCCCC
 CAGGCTTTCTTAACAGGCACTCTGCAGAATTTTGGCCGAAATTTGTCATCTCCATTGAC
 ACCATCTCCTTTGATTTCAAGGTGATGTTTGGAGCACCATCAGAGTTAACACAAAGACCC
 CAAGTAGGGTGCTATATCCATGGATTATTCTGGAAGGTGCCCGCTGGGATCCAGAGGCC
 TTCCAGCTGGCTGAGTCTCAGCCCAAGGAGCTGTACACAGAGATGGCCGTTATCTGGCTC
 TTGCCAACCCCAACCGCAAGGCCAGGACCAGGACTTTTACCTGTGCCCATCTACAAG
 AACTGACTCGTGTGGAACACTATCAACCACAGGACACTCTACCAACTATGTCATTGCT
 GTGGAGATCCCCACCCATCAGCCCCAGCGACACTGGATAAAGCGTGGTGTGGCCCTCATC
 TGTGCCCTGGACTACTAG

Restriction Sites:

Please inquire

ACCN:

NM_015512

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 or by calling 301.340.3188 option 3 for pricing and delivery.

Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

OTI Annotation:

This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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).
Reconstitution Method:	<ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.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.
RefSeq:	<u>NM_015512.3, NP_056327.3</u>
RefSeq Size:	13114 bp
RefSeq ORF:	12993 bp
Locus ID:	25981
UniProt ID:	<u>Q9P2D7</u>
Cytogenetics:	3p21.1
Domains:	Dynein_heavy
Protein Pathways:	Huntington's disease
Gene Summary:	This gene encodes an inner dynein arm heavy chain that provides structural support between the radial spokes and the outer doublet of the sperm tail. Naturally occurring mutations in this gene are associated with primary ciliary dyskinesia and multiple morphological anomalies of the flagella that result in asthenozoospermia and male infertility. Mice with a homozygous knockout of the orthologous gene are viable but have reduced sperm motility and are infertile. [provided by RefSeq, Feb 2017]