

Product datasheet for **RC221613**

DNAI4 (NM_207014) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DNAI4 (NM_207014) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	DNAI4
Synonyms:	DIC4; WDR78
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RC221613 representing NM_207014
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGACGCCCGCAAAACATTCCGGAGCCTCGGCCGAGCCGCTAACGGAGGAGCTTGGGGTACAGGGACT
 TCAGAGCGGCCAAAAAAGGGTGGTGCACCCTCCCACTGGTCGCCACCATGCCAGTCTCTCCGGC
 AGGCAGTCACAAGCAGCAGAACTTCGGGTTGAACAATGCCACACAACCAAGAAGTCTATTAGCTTTTT
 GCTACAATGAAAGCAACTTCAGTAAAGGATATACTGGTGCAAAATCAAAGCAGAATGGCTGTGTCCAAAA
 CCGTGCTTATCCACCTGAACTGAAAACGTAGAAAAACCAATCCCAATATAAGACAACACAGGTATT
 TGACATAAATGGAAGTGTACTCCCGACCTCTTACCATCCAGATCCACTTACTGGTACAGCAAAA
 CCAAGTAACTCTTGACATCACAAGAAGGATCACTTGGATCAGAATTTATCTTCTATAGCCTTTATC
 AGAATAACAATAAATCCTAGTACGTTAGGCAGTTTACAAGGTAGTTTGGGAAGCAGTACAGTTTCTAA
 GTCAGTGTATCAGCAAGTGAATCAATAGCAGAAGACCTGGAAGAACCATCTATAAACGGGAAAGATTG
 ACTAGTTTCACAGATTTGCAAGTTATAAGGCAGCACCTGAAAAAATTGTAAACAAAAGAAGACCTGGAGA
 AGAATATAGAGATAATACTCACAGAGACAGAAACTGAGATTTTTTGACTTGCCACAGTCATGGTCTC
 TGTAGAATCTGAAGAAGCTGAGAAAAGTAACTCAGAGAAAACAAGAAATTATGAAGTCCTTTGTAGAAACAGA
 TTAGGCAATGACCTATATGTTGAAAGGATGATGCAGACTTTCAATGGAGCACCAAGAATAAAGATGTTT
 AATGTGATAAAATCATAATGGAAGATAAAGGCATAATGTCCACTGCCTGGGATTTGTATGATTCTTACAA
 TGCTATGGAAGTGTATCTTTATCAGTAAAACAATCTGTGGTTGAGTCAAGTAGTAAAGCAAATGTA
 CCTAAAGATCAGGACCAAGATTGCCAGGGAGCACTACAGAAAAAATAGTGAAGTACTTCTAATGG
 ACATGAAAAATGTAATTTGGCAAAAATCCATGAAGATGAGGAAGACCACTCAGATGCAATATTAATATC
 TGACAAAATTCATCAGGACTTATTTTTATGGAACGGGTTCTGATGGAAAATATATTTACGCCCAA
 GACTTATCGTCAGCTTCTGTTTTAAAAGAACCCTGAACCTGAAGAGCCTGAAGATGTTTTAGAAAGTG
 CAAAACATGAAGAGGTAGAGGAAGAATCTAAGAAGGAGGAGGAAGAAGAATAACATGCAGAAGAATCAAC
 AATACCCGCCAATTGGAACGACTTTGGTCTTTTTCTGTGACTTAACCAAGGCCTCAATGTGAGCAGC
 CTTGCCTGGAATAAAACAAATCCAGATCTTTGGCTGTTGGCTATGGGCCTTTGGATTTAAGAGCAAA
 AAAGAGGACTGGCTTGTGCTGGTCAATAAAGAATCCCATGGTAACCCAAACAAGAATAAGAAGCATTTT
 TATCTGGCTGTTGACAAAATTCTCA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC221613 representing NM_207014
 Red=Cloning site Green=Tags(s)

MTPGKHSGASARAANGGAWGYRDFRGGQKKGWCTTPQLVATMPVSPAGSHKQQNFGLNNATQPKKSI
 ATMKATSVKGYTGANQSRMAVSKTVLIPPELKTVEKPNPIKTTQVFDINGTDVTPRPL YHPDPLTG
 PSKLLTSQEGSLGSEFISSYSLYQNTINPSTLQGFTRSVLGSSTVSKSSVSASESIAEDLEEPSYK
 RERL TSFIDLQVIRAAPEKIVTKEDLEKNIIEIIL TETETLRFDLPTVMVSVSEEA EKVTQRN
 KNYEVL CRNR LGNDLYVERMMQTFNGAPKNKDVQCDKIIMEDKIMSTAWDL YDSYNAMELVSL
 SVKQSVVESSKANVL PKDQDQRLPGSTTEKNSETSSLMDIENVILAKIHEDEEDHSDAILKSDK
 FHQDLFFMERYLMENIFQPKL AAYRQLPVLKEPEPEPEDVLES AKHEEVEEESKKEEEEE
 IHAEESTIPANLERLWSFSCDLTKGLNVSS LAWNKTNPDLLAVGYGHFGFKEQKRLACCWS
 IKNPMVTQTRIRSFIFWLLTKFS

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mk8066_f01.zip

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:

ACCN: NM_207014

ORF Size: 1635 bp

OTI Disclaimer: 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).

- Reconstitution Method:**
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: [NM_207014.3](#)
RefSeq Size: 1795 bp

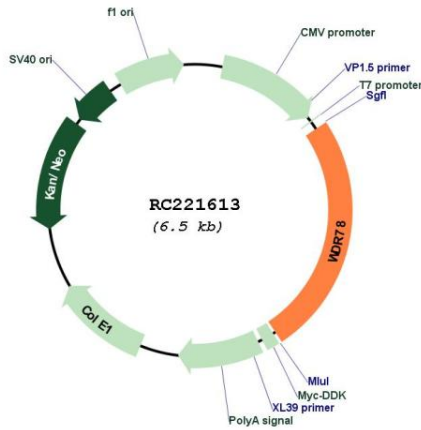
RefSeq ORF: 1638 bp

Locus ID: 79819

UniProt ID: [Q5VTH9](#)

Cytogenetics: 1p31.3
MW: 60.8 kDa
Gene Summary: Plays a critical role in the assembly of axonemal dynein complex, thereby playing a role in ciliary motility.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RC221613