

Product datasheet for **SC308366**

DNAI4 (NM_207014) Human Untagged Clone

Product data:

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



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Fully Sequenced ORF: >SC308366 representing NM_207014.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGCATCGCC
ATGACGCCCGCAAAACATTCCGGAGCCTCGGCCGAGCCGCTAACGGAGGAGCTGGGGGTACAGGGAC
TTCAGAGGCGGCCAAAAAAGGGGTGGTGCACCACTCCCAGCTGGTCGCCACCATGCCAGTCTCTCCG
GCAGGCAGTACAAGCAGCAGAACTTCGGGTTGAACAATGCCACACAACCAAGAAGTCTATTAGCTTT
TTTGCTACAATGAAAGCAACTTCAGTGAAGGATATACTGGTGCAAAATCAAAGCAGAATGGCTGTGTCC
AAAACCGTGCTTATTCCACCTGAACTGAAAAGTGTAGAAAAACCAATCCCAATATAAAGACAACACAG
GTATTTGACATAAATGGAAGTGTACTCCCGACCTCTTACCATCCAGATCCACTTACTGGTACA
GCAAAACCAAGTAACTCTTGACATCACAAGAAGGATCACTTGGATCAGAATTTATCTTCTATAGC
CTTTATCAGAATAACAATAATCCTAGTACGTTAGGGCAGTTTACAAGTCAAGTTTATAGGAAGCAGTACA
GTTTCTAAGTCAAGTGTATCAGCAAGTGAATCAATAGCAGAAGACCTGGAAGAACCATCCTATAACGG
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GACCTGGAGAAGAATATAGAGATAATACTCACAGAGACAGAAACACTGAGATTTTTTGGACTTGCCACA
GTCATGGTCTCTGTAGAATCTGAAGAAGCTGAGAAAGTAACTCAGAGAAAACAAGAATTATGAAGTCCTT
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AATAAAGATGTTCAATGTGATAAAATCATAATGGAAGATAAAGGCATAATGTCCACTGCCTGGGATTTG
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AAAGCAATGACTTCTAAAGATCAGGACCAAGATTGCCAGGGAGCACTACAGAAAAAATAGTGAA
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GATGCAATATTAATCTGACAAAATTTCACTCAGGACTTATTTTTTATGGAACGGGTTCTGATGAAAAAT
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ATACATGCAGAAGAATCAACAATACCCGCCAAGTGGAAACGACTTTGGTCTTTTTCTGTGACTTAACC
AAAGGCCTCAATGTGAGCAGCCTTGCTGGAATAAAACAATCCAGATCTTTGGCTGTTGGCTATGGG
CACTTTGGATTTAAAGAGCAAAAAGAGGACTGGCTTGTCTGGTCAATAAAGAATCCCATGGTAACC
CAAACAAGAATAAGAAGCATTTTATCTGGCTGTTGACAAAATTTCTATAAA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGAT
TACAAGGATGACGACGATAAGGTTAAACGGCCGCGC
  
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Restriction Sites: Sgfl-Mlul

Plasmid Map:

ACCN: NM_207014

Insert Size: 1638 bp

OTI Disclaimer: 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:

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_207014.2](#)

RefSeq Size: 1764 bp

RefSeq ORF: 1638 bp

Locus ID: 79819

UniProt ID: [Q5VTH9](#)

Cytogenetics: 1p31.3

MW: 61 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]
Transcript Variant: This variant (2) differs in the 3' coding region and 3' UTR, compared to variant 1. The resulting isoform (2) has a shorter and distinct C-terminus, compared to isoform 1.