

Product datasheet for **SC100033**

DNAH14 (NM_144989) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DNAH14 (NM_144989) Human Untagged Clone
Tag:	Tag Free
Symbol:	DNAH14
Synonyms:	C1orf67; Dnahc14; HL-18; HL18
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_144989, the custom clone sequence may differ by one or more nucleotides

ATGGAGACGTTTATACCCATTGATTTGACAACCTGAAAATCAAGAGATGGACAAGGAGGAAACCAAGACAA
AACCAAGACTTTTAAGATATGAAGAGAAAAATATGAAGATGTGAAACCATTAGAGACTCAACGAGCTGA
AATAGCAGAAAAGGAAACATTGGAATATAAACAGTTAGAACATTCTCTGAATCTTTGAAGTCAGAGAAA
ACAGAAGATTACCTTAGAGAAAGTATAATTCAACAACATATGGTTTCTCCAGAGCCAGCTTCCCTTAAGG
AGAAAGGGAAGTCAAGGAGAAAAAGGATCAAACCTCATGCTTGTCCAAATGTTAGGAAAGCCAGGCCTGT
GTCCTATGATAGAACAGAACCAAAAGATGATGATGTGATAAGAAATATTATTAGGCTACGAGAAAAGCTT
GGTTGGCAAACCTATATTACCGCAGCACAGTTTGAAATACGGAAGCTCCAAATTGCAATTCAGAAGATTA
CTTTAAAGAAACCTTTGGAAGATGATGGAGAATTTGTTTATTGCCTTCCTCGGAAAAGTCCTAAATCCCT
TTACAATCCATATGATCTTCAGGTAGTATCGGCTCATACTGCTAAACATTGCAAAGAATTTGGGTATT
ACTGCTTCATTTATCTCAAAGAGATACTTGGTCATTTGTGGAGCAGTTTATATATA



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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_144989 unedited <pre> TCAAATTTTGTAAACGACTTCACTATAGGGCGGCCGCGATTCCGGCACGAGGAGGCGTCG GAGCCTGGCGTGGTAGGGCTGTGCTGCGCGGTCTTCCATTACCCCTAGTCTGGCGCTC GCCGGCGTGGGCGGGCCGACCTTCGCCGCTTCCAGGAAGGGCCACAACGGCCGTCGGAC CACGGCGCGGCCGAGTTCTTTATAGTTTTGTTTCAAAAAACATATGGAGACGTTTAT ACCCATTGATTTGACAACTGAAAATCAAGAGATGGACAAGGAGGAAACCAAGACAAAACC AAGACTTTTAAGATATGAAGAGAAAAAATATGAAGATGTGAAACCATTAGAGTCTCAACC AGCTGAAATAGCAGAAAAGGAAACATTGGAATATAAAACAGTTAGAACATTCTCTGAATC TTTGAAGTCAGAGAAAACAGAAGATTACCTTAGAGAAAGTATAATTCAACAACATATGGT TTCTCCAGAGCCAGCTTCCCTTAAGGAGAAAGGGAAGTCAAGGAGAAAAAAGGATCAAAAC TCATGCTTGTCCTAAATGTTAGGAAAGCCAGGCCTGTGCTCTATGATAGAACAGAACCAAA AGATGATGATGTGATAAGAAATATTATTAGGCTACGAGAAAAGCTTGGTTGGCAAACTAT ATTACCGCAGCACAGTTTGAAATACGGAAGCTCCAAAATTGCAATTCAGAAGATTACTTT AAAGAAACCTTTGGAAGATGATGGAGAAAATTGTTTATTGCCTTCTCGAAAAAGTCCTA AATCCCTTTACATCCATATGATCTTCAGGTAGTATCGGCTCATACTGCTAAACATTGCAN AGAATNTTGGGTTATTACTGCTTATTCTCAAAGTTATTATATANGTGGGAGTGTAAG GGAGTAGACTCATACTACTTGGATGGCTTCAGAAGAAGATACTATTATTACGCATTTCAG AATTTCTGATTCTGA </pre>
Restriction Sites:	NotI-NotI
ACCN:	NM_144989
Insert Size:	2500 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).
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:	<u>NM_144989.1</u> , <u>NP_659426.1</u>
RefSeq Size:	1108 bp
RefSeq ORF:	162 bp
Locus ID:	127602
UniProt ID:	<u>Q0VDD8</u>
Cytogenetics:	1q42.12

Gene Summary:

Dyneins are microtubule-associated motor protein complexes composed of several heavy, light, and intermediate chains. Two major classes of dyneins, axonemal and cytoplasmic, have been identified. DNAH14 is an axonemal dynein heavy chain (DHC) (Vaughan et al., 1996 [PubMed 8812413]).[supplied by OMIM, Mar 2008]

Transcript Variant: This variant (3) lacks multiple 3' exons and encodes a much shorter isoform (3), as compared to isoform 1.