

Product datasheet for **SC325099**

DNAH14 (NM_001145154) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DNAH14 (NM_001145154) Human Untagged Clone
Tag:	Tag Free
Symbol:	DNAH14
Synonyms:	C1orf67; Dnahc14; HL-18; HL18
Vector:	<u>pCMV6 series</u>
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001145154, the custom clone sequence may differ by one or more nucleotides <pre> ATGGAGACGTTTATACCCATTGATTGACAACCTGAAAATCAAGAGATGGACAAGGAGGAA ACCAAGACAAAACCAAGACTTTTAAGATATGAAGAGAAAAATATGAAGATGTGAAACCA TTAGAGACTCAACCAGCTGAAATAGCAGAAAAGGAAACATTGGAATATAAAACAGTTAGA ACATTCTCTGAATCTTTGAAGTCAGAGAAAACAGAAGATTACCTTAGAGAAAGTATAATT CAACAACATATGGTTTCTCCAGAGCCAGCTTCCCTTAAGGAGAAAGGGAAGTCAAGGAGA AAAAAGGATCAAACCTCATGCTTGTCCTCAATGTTAGGAAAGCCAGGCCTGTGCTCTATGAT AGAACAGAACCAAAAGATGATGATGTGATAAGAAATATTATTAGGCTACGAGAAAAGCTT GGTTGGCAAACTATATTACCGCAGCACAGTTTGAAATACGGAAGCTCCAAAATTGCAATT CAGAAGATTACTTTAAAGAAACCTTTGGAAGATGATGGAGAATTTGTTTATTGCCTTCCT CGGAAAAGTCCTAAATCCCTTTACAATCCATATGATCTTCAGGTAGTATCGGCTCATACT GCTAAACATTGCAAGAAATTTTGGGTTATTACTGCTTCATTTATCTCAAAGGTTATTAAT ATAGTTGGTAGTGTAAGGAAGTAGAACTCATACCTACTTTGGAATGGCTATCAGAAAGA AGACATTACTATTTATTACGGCAATTCAAGATATTTTCTGATTTCCGAATGAATAAGCA TTTGTTACCTGGAAATTTGAATGTTAAAGAAATTAAGACAGAGAAGAGCAGGTCATTTTGT TACCACCATCTTTTTTGGCTGATGACTTGTTCAAACCTGTTTGGTTTATATAAGAGGA CTTTGTGAAGATGCAATTAATCTCAAAAATTATAATGACCATGAAAATAATCTATCTGCC ATATGCCTTGTAAGCTGGATAGTTCTCGAACATATTCTCTAGATGAATTTTGTGAAGAG CAGTTACAGCAAGCTACCCAGGCATTGAAACAACCTTGAGGACATCAGGAATAAAGCAATT TCAGAGATGAAAAGTACTTTTCTAAAGGTTGCAGAAAAGAAATGAAATCAAAGAGTATTTT GAGTCAAACTCTCTGAAGATGACACAACACATTTCAAGCTGCCTAAATATAGACGTTTA TTAGAAACATTTTCAAGTTTGAATGCTGTTGACTACATATTTAGGAACTCATTCTGT CAACTTATGAACACTGCAGTCACACTACTTTTGAATTTAATGTTTCTGCTGGAATG CCATTTTCAGTGGAAAAAAGAATGAAAATCTTATCAGG </pre>
Restriction Sites:	Please inquire
ACCN:	NM_001145154


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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:	<u>NM_001145154.1, NP_001138626.1</u>
RefSeq Size:	1997 bp
RefSeq ORF:	1362 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 (2) lacks multiple 3' exons and encodes a much shorter isoform (2), as compared to isoform 1.