

## Product datasheet for SC317330

### 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:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC317330 representing NM_144989. Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTGTAGTAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG  
 GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC  
 ATGGAGACGTTTATACCCATTGATTTGACAACGAAAAATCAAGAGATGGACAAGGAGGAAACCAAGACA  
 AAACCAAGACTTTTAAGATATGAAGAGAAAAATATGAAGATGTGAAACCATTAGAGACTCAACCAGCT  
 GAAATAGCAGAAAAGGAAACATTGGAATATAAAACAGTTAGAACATTCTCTGAATCTTTGAAGTCAGAG  
 AAAACAGAAGATTACCTTAGAGAAAGTATAATTCAACAACATATGGTTTCTCCAGAGCCAGCTTCCCTT  
 AAGGAGAAAGGGAAGTCAAGGAGAAAAAGGATCAAACATGCTTGCTTCCAAATGTTAGGAAAGCCAGG  
 CCTGTGCTCTATGATAGAACAGAACCAAAAGATGATGATGTGATAAGAAATATTATTAGGCTACGAGAA  
 AAGCTTGTTGGCAAACTATATTACCGCAGCACAGTTTGAAATACGGAAGCTCCAAAATTGCAATTCAG  
 AAGATTACTTTAAAGAAACCTTTGGAAGATGATGGAGAATTTGTTTATTGCCTTCCTCGGAAAAGTCCT  
 AAATCCCTTTACAATCCATATGATCTTCAGGTAGTATCGGCTCATACTGCTAAACATTGCAAGAATTT  
 TGGGTTATTACTGCTTCATTTATCTCAAAGAGATACTTGGTCATTTGTGGAGCAGTTTATATAA  
 ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT  
 TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

Restriction Sites:	SgfI-MluI
ACCN:	NM_144989
Insert Size:	687 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).


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<b>OTI Annotation:</b>	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.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<a href="#">NM_144989.2</a>
<b>RefSeq Size:</b>	1108 bp
<b>RefSeq ORF:</b>	687 bp
<b>Locus ID:</b>	127602
<b>UniProt ID:</b>	<a href="#">Q0VDD8</a>
<b>Cytogenetics:</b>	1q42.12
<b>MW:</b>	26.7 kDa
<b>Gene Summary:</b>	<p>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]</p> <p>Transcript Variant: This variant (3) lacks multiple 3' exons and encodes a much shorter isoform (3), as compared to isoform 1.</p>