

Product datasheet for **SC337609**

DNAH2 (NM_001303270) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DNAH2 (NM_001303270) Human Untagged Clone
Tag:	Tag Free
Symbol:	DNAH2
Synonyms:	DNAHC2; DNHD3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >NCBI ORF sequence for NM_001303270, the custom clone sequence may differ by one or more nucleotides

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ATGTCCAGCAAAGCTGAGAAGAAGCAGCGATTGAGTGGCCGAGGAAGCTCCCAGGCAAGCTGGTCAGGGC
GGGCCACTCGGGCTGCTGTGCCACACAGGAGCAGGGGAATGCCCGGCTGTCAGTGAGCCAGAGCTGCA
GGCTGAGCTCCCAAGGAGGAGCCTGAGCCACGGTTGGAGGGACCTCAAGCACAGAGTGAAGAATCAGTG
GAGCCCGAGGCAGATGTGAAGCCCTCTTCTTTCCCGAGCTGCCCTGACAGGACTGGCGGATGCAGTGT
GGACACAGGAGCATGATGCCATTCTGGAACACTTTGCCAGGACCCTACAGAATCCATCCTCACCATCTT
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TTCATTGCGCAAGCACCAGTTCCCATCACCTGGGAGAACTTCGAGGCAACTGTGCAGTTTGGGACGGTGC
GGGGCCCTATATCCCGGCCCTGCTTCGGCTGCTCGGTGGAGTCTTTGCCCTCAGATCTTTCAAAACAC
AGGCTGGCCTGAGAGCATTAGAAATCATTTTGTCTCATCTGCACAAGTTCTTGGCCTGCCTGACAGAC
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TGGTGATAAAGGACAAAGAGCTGGTGAACGGCTAGAGACCTCCATGATCCACTGGACCCGCAGATAAA
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AATCCATCCTGCACCTTGCCAAGTCGTCTACTTGGCGCCCTTTATGAACTGGCACAGCAGATCCAGGA
TGGCTCTCGTCAAGCACAGTCAAACCTGACCTTTTGTCAATCCTGAAGGAACCTTACCAGGAGTTGGCT
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ACTCTCCCACTACAACACTCGGGAGAGACTGACCTCGCTTCCGAAAGATGAGCAATGAGATCATCCG
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CAAGGTCATTCTCTGTTGTACGCTTGGAAAGATCACTACGTACAGGCTGTGCAGATGCACATCCAGT
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CTTCTTGTCTTTGGTGCCAGGGGCCACAGATAAACACGGAACCTTGTGGAGATTGAGGACATCTTTC
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AGACTACAATAAGTTCGTGCCGAATCAAGGACCTGGAGGTGATGACCCAGAACCTGATCACCTCAGCC
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GGTGAACCGTGAACGGAACAAGAAATGGCCAGACCTGGAGCCCTACGTGGCCAGTATCCGGAAGGGCG
CGCTGGGTGCACATCCTCCGGCTGCGATCGACAGAGTCAAGACCTGCCTTGTGGTGTCTATTTCTGC
CCCGTATTGGGACTGAAAGGAGAGTGTGCACACCTATCAGCAGATGGTCCAGGCCATTGATGAGCTGGT
TCGAAAAACCTTCCAAGAGTGGACATCAAGTCTGGACAAGGATTGCATTCGGCGGTTGGATACCCCATG
CTGCGAATCAGCCAGGAGAAGGCGGGCATGCTGGATGTCAACTTTGACAAGTACAGGAGCCACCTGGCCC
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TATTCTCTCTTTCTCATAACAATATGTTTGTATCGTCATTTTACTTTTTTTTTTCTTCTTTATTTTT
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AAGATTAGCTGGGCGTGGTGGCAAGCCTGTAGTCTCAGCTACTTGGGAGGTTGAGGTGGGAGGATCGC
CTGAGCCCGGAGGCAGAGGCTGCAGTGA
    
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Restriction Sites: Sgfl-Mlul

ACCN: NM_001303270

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:	<ol style="list-style-type: none">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_001303270.1, NP_001290199.1</u>
RefSeq Size:	3006 bp
RefSeq ORF:	2619 bp
Locus ID:	146754
UniProt ID:	<u>Q9P225</u>
Cytogenetics:	17p13.1
Protein Pathways:	Huntington's disease
Gene Summary:	<p>Dyneins are microtubule-associated motor protein complexes composed of several heavy, light, and intermediate chains. The axonemal dyneins, found in cilia and flagella, are components of the outer and inner dynein arms attached to the peripheral microtubule doublets. DNAH2 is an axonemal inner arm dynein heavy chain (Chapelin et al., 1997 [PubMed 9256245]).[supplied by OMIM, Mar 2008]</p> <p>Transcript Variant: This variant (2) contains multiple differences in the UTRs and coding region, compared to variant 1. It lacks multiple 3' coding exons and contains an alternate 3' coding region. The encoded isoform (2) has a distinct C-terminus and is shorter than isoform 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>