

Product datasheet for **SC303005**

DNAH5 (NM_001369) Human Untagged Clone

Product data:

| | |
|----------------------|---|
| Product Type: | Expression Plasmids |
| Product Name: | DNAH5 (NM_001369) Human Untagged Clone |
| Tag: | Tag Free |
| Symbol: | DNAH5 |
| Synonyms: | CILD3; DNAHC5; HL1; KTGNR; PCD |
| Vector: | <u>pCMV6 series</u> |
| Fully Sequenced ORF: | >NCBI ORF sequence for NM_001369, the custom clone sequence may differ by one or more nucleotides |

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Restriction Sites:

Please inquire

ACCN:

NM_001369

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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_001369.1](#), [NP_001360.1](#)

RefSeq Size: 13971 bp

RefSeq ORF: 13875 bp

Locus ID: 1767

UniProt ID: [Q8TE73](#)

Cytogenetics: 5p15.2

Gene Summary: This gene encodes a dynein protein, which is part of a microtubule-associated motor protein complex consisting of heavy, light, and intermediate chains. This protein is an axonemal heavy chain dynein. It functions as a force-generating protein with ATPase activity, whereby the release of ADP is thought to produce the force-producing power stroke. Mutations in this gene cause primary ciliary dyskinesia type 3, as well as Kartagener syndrome, which are both diseases due to ciliary defects. [provided by RefSeq, Oct 2009]