

Product datasheet for **SC333279**

DYNC2H1 (NM_001377) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: DYNC2H1 (NM_001377) Human Untagged Clone
Tag: Tag Free
Symbol: DYNC2H1
Synonyms: ATD3; DHC1b; DHC2; DNCH2; DYH1B; hdhc11; SRPS2B; SRTD3
Vector: pCMV6-Entry (PS100001)
Fully Sequenced ORF: >SC333279 representing NM_001377.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

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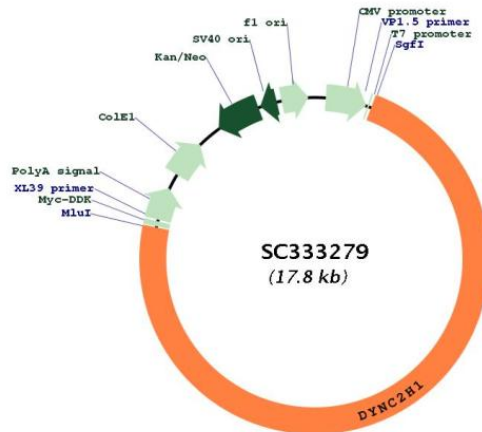
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Restriction Sites:

Sgfl-MluI

Plasmid Map:



ACCN:

NM_001377

Insert Size:

12924 bp

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).

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_001377.2](#)

RefSeq Size: 13678 bp

RefSeq ORF: 12924 bp

Locus ID: 79659

UniProt ID: [Q8NCM8](#)

Cytogenetics: 11q22.3

MW: 492.6 kDa

Gene Summary:

This gene encodes a large cytoplasmic dynein protein that is involved in retrograde transport in the cilium and has a role in intraflagellar transport, a process required for ciliary/flagellar assembly. Mutations in this gene cause a heterogeneous spectrum of conditions related to altered primary cilium function and often involve polydactyly, abnormal skeletogenesis, and polycystic kidneys. Alternative splicing results in multiple transcript variants encoding distinct proteins. [provided by RefSeq, Jan 2010]

Transcript Variant: This variant (1) lacks an in-frame exon in the 3' coding region, compared to variant 2. This results in a protein (isoform 1) that is seven aa shorter than isoform 2.

Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.