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Product datasheet for SC305286

RSPH6A (NM_030785) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RSPH6A (NM_030785) Human Untagged Clone
Tag:	Tag Free
Symbol:	RSPH6A
Synonyms:	RSHL1; RSP4; RSP6; RSPH4B
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

Fully Sequenced ORF:

>SC305286 representing NM_030785.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGGAGACCTGCCGCCCTACCCTGAGCGCCCTGCCCAGCAGCCTCCGGGCCGGAGGACTTCTCAGGCC
TCCCAGAGGCGGCACAGTCGGGACCAAGCTCAGGCCCTGGCAGCGGACCCCGAGGAGAGGCAGCAGATA
CCTCCAGACGCCCAGCGAAACGCCCCTGGTTGGTCACAGAGGGGCAGCCTGTCCCAACAGGAGAACTTG
CTGATGCCCCAGGTCTTCCAGGCTGAGGAAGCCCGGCTGGGTGGCATGGAGTACCCATCTGTGAACACG
GGCTTTCCCTCAGAGTTCCAGCCTCAGCCTTACTCTGATGAAAGCAGGATGCAGGTCGCCGAGCTCACC
ACCAGCCTAATGCTGCAGCGGCTCCAGCAGGGCCAAAGCAGCCTGTTCCAGCAACTGGACCCCACCTTC
CAGGAGCCCCCAGTCAACCCCTTGGGCCAGTTCAACCTCTACCAGACAGACCAGTTCTCTGAAGGTGCC
CAGCACGGGCCTTACATAAGGGATGACCCTGCCCTTCAGTTCTTGCCCTCTGAGCTGGGCTTCCCACAC
TACAGTGCCCAGGTGCCTGAGCCCGAGCCTCTGGAGCTGGCCGTGCAGAACGCCAAGGCCTACCTGCTG
CAGACCAGCATCAATTGCGACCTCAGCCTGTACGAGCACCTGGTGAATCTGCTGACCAAGATCCTGAAC
CAGCGGCCTGAGGACCCCTTGTCTGTCCTGGAGTCTCTGAACCGCACCACGCAGTGGGAGTGGTTCCAC
CCCAAGCTGGACACGCTGCGGGACGACCCCGAGATGCAGCCCACCTACAAGATGGCGGAGAAACAGAAG
GCGCTGTTCACCCGGAGTGGAGGCGGCACTGAAGGCGAACAGGAGATGGAGGAGGAGGTGGGGGAGACA
CCAGTGCCCAACATCATGGAGACTGCCTTCTACTTCGAGCAGGCCGGCGTCGGCCTGAGCTCGGACGAG
AGCTTCCGCATTTTCCTGGCCATGAAACAGCTGGTGGAGCAGCAGCCCATCCACACCTGTCGCTTCTGG
GGCAAGATCCTGGGAATCAAACGCAGCTACCTGGTGGCCGAGGTGGAATTCCGGGAGGGCGAGGAGGAG
GCAGAGGAGGAGGAGGTGGAGGAGATGACGGAAGGTGGCGAGGTCATGGAGGCGCACGGCGAGGAGGAG
GGCGAGGAGGACGAGGAGAAGGCCGTGGACATCGTCCCTAAGTCCGTATGGAAGCCGCCGCCCGTGATC
CCCAAGGAGGAGAGCCGCTCAGGCGCCAACAAGTACCTGTACTTTGTGTGCAACGAGCCGGGCCTGCCA
TGGACGCGGCTGCCCCACGTCACTCCAGCCCAGATCGTGAACGCCCGAAAGATCAAGAAGTTCTTCACA
GGCTACCTGGACACGCCAGTCGTCAGCTACCCACCCTTCCCGGGCAACGAGGCCAACTACCTGCGGGCC
CAGATAGCCCGCATCTCGGCCGCCACGCAGGTCAGCCCGCTGGGCTTCTACCAGTTTAGTGAGGAGGAG
GGCGACGAGGAGGAGGAAGGTGGTGCTGGGCGCGACTCCTACGAGGAGAACCCGGACTTCGAGGGCATC
CCCGTGCTGGAGCTGGTCGACTCCATGGCCAACTGGGTGCATCACACACGAGCACATCCTGCCGCAGGGC
CGCTGCACTTGGGTGAACCCTTTGCAGAAGACAGAGGAGGAGGAGGACCTGGGGGAGGAGGAAGAGAAG
GCAGATGAGGGGCCAGAGGAGGTGGAGCAGGAGGTTGGCCCCCCACTGCTAACGCCACTTTCAGAAGAT
GCAGAAATCATGCACCTGGCACCCTGGACCACCCGCCTGTCCTGCAGCCTCTGCCCGCAGTACTCAGTG
GCCGTTGTGCGCTCCAACCTCTGGCCCGGGGCCTATGCCTATGCCAGTGGCAAAAAGTTTGAGAACATC
TACATCGGCTGGGGTCACAAGTACAGCCCCGAGAGCTTCAACCCGGCCCTGCCAGCCCCCATTCAACAA
GAGTACCCCAGTGGCCCAGAGATCATGGAGATGAGTGACCCCACAGTGGAAGAGGAGCAGGCTCTGAAA
GCAGCCCAGGAACAAGCCCTGGGAGCCACAGAGGAGGAGGAGGAGGGCGAGGAGGAGGAGGAGGGCGAG
GAGACAGATGACTGA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

Restriction Sites: SgfI-MluI

ACCN: NM_030785

Insert Size: 2154 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).

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_030785.3
RefSeq Size:	2484 bp
RefSeq ORF:	2154 bp
Locus ID:	81492
UniProt ID:	Q9H0K4
Cytogenetics:	19q13.32
MW:	80.9 kDa
Gene Summary:	The protein encoded by this gene is similar to a sea urchin radial spoke head protein. Radial spoke protein complexes form part of the axoneme of eukaryotic flagella and are located between the axoneme's outer ring of doublet microtubules and central pair of microtubules. In Chlamydomonas, radial spoke proteins are thought to regulate the activity of dynein and the symmetry of flagellar bending patterns. This gene maps to a region of chromosome 19 that is linked to primary ciliary dyskinesia-2 (CILD2). [provided by RefSeq, Jul 2008]