

Product datasheet for **RG215886**

RSPH6A (NM_030785) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RSPH6A (NM_030785) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	RSPH6A
Synonyms:	RSHL1; RSP4; RSP6; RSPH4B
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

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>RG215886 representing NM_030785
Red=Cloning site Blue=ORF Green=Tags(s)
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TTTTGTAATACGACTCACATATAGGGCGGCCGGAATTCTGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGGAGACCTGCCGCCCTACCTTGAGCGCCCTGCCACGACGCTCCGGGCCGGAGGACTTCTCAGGCCCTCCAGAGGGCGCACAGTCGGGACCAAGCTCAGGCCCTGGCAGCGGACCCCGAGGAGAGGCAGCAGATACCTCCAGACGCCCAGCGAAACGCCCTGGTTGGTCACAGAGGGGCAGCCTGTCCCAACAGGAGAACTTGCTGATGCCCCAGGTCTTCAGGCTGAGGAAGCCCGGCTGGTGGCATGGAGTACCCATCTGTGAACACGGGCTTTCCTCAGAGTTCCAGCCTCAGCCTTACTCTGATGAAAGCAGGATGCAGGTGCGCCGAGCTCACCACCAGCCTAATGCTGCAGCGGCTCCAGCAGGGCCAAAGCAGCCTGTTCCAGCAACTTGACCCACCTTCCAGGAGCCCCAGTCAACCCCTTGGGCCAGTTCACCTCTACCAGACAGACCAGTTCTCTGAAGGTGCCCAGCACGGCCTTACATAAGGGATGACCTTGCCCTTCAGTTCTTGCCCTCTGAGCTGGGCTTCCCACACTACAGTGCACAGGTGCTGAGCCCCAGCCTCTGGAGCTGGCCGTGCAGAACGCCAAGGCCTACCTGCTGCAGACCAGCATCAATTGCGACCTCAGCCTGTACGAGCACCTGGTGAATCTGCTGACCAAGATCCTGAACCAGCGGCTGAGGACCCCTTGCTGTCTGGAGTCTCTGAACCGCACACGCAGTGGGAGTGGTTCACCCCAAGCTGGAACGCTGCGGACGACCCCGAGCTGACGCCCACTACAAGATGAGCGGAGAAAGCAAGCGCTGTTCAACCAGGAGTGAGGCGCACTGAAGCGCAGCAGGATAGGAGGAGGTGGGGGAGACACCAAGTGCCTCAACATCGATGGAGACTGCCTTCTACTTCGAGCAGGCGCGCGTCGGCCTGAGCTCGGACGAGAGCTTCGCAATTTCTGGCCATGAAACAGCTGGTGGAGCAGCAGCCCATCCACACCTGTCGTTCTGGGGCAAGATCCTGGGAATCAAACGCAGCTACCTGGTGGCCGAGGTGGAATTCCGGGAGGGCGAGGAGGAGGCAGAGGAGGAGGAGTGAGGAGGAGATGACGGAAGGTGGCGAGGTGATGGAGGCGCACGGCGAGGAGGAGGGCGAGGAGGACGAGGAAGGCCGTGGACATCGTCCCTAAGTCCGTATGGAAGCCGCCGCCCGTGATCCCCAAGGAGGAGAGCCGCTCAGGCGCCAACAAGTACCTGTACTTTGTGTGCAACGAGCCGGGCTGCCATGGACGCGGCTGCCCCAGTCACTCCAGCCAGATCGTGAACGCCCCAAAGATCAAGAAGTTCTTACAGGCTACCTGGACACGCCAGTCGTAGCTACCCACCCTTCCCGGGCAACGAGGCCAACTACCTGCGGGCCAGATAGCCCGCATCTCGGCCACGACGAGGTAGCCCGCTGGGCTTCTACCAGTTTGTGAGGAGGAGGGCGACGAGGAGGAGGAAGGTGTGCTGGGCGCGACTCTACGAGGAGAACCCGGACTTCGAGGGCATCCCGTGCTGGAGCTGGTCGACTCATGGCCAACTGGGTGCATCACACACAGCACATCTGCCGACAGGCGCTGCACCTTGGGTGAACCCTTTGAGAAGACAGAGGAGGAGGAGGACCTGGGGGAGGAGGAAGAGAAGGCAGATGAGGGGCCAGAGGAGGTGAGCAGGAGGTTGGCCCCCACTGCTAACGCCACTTTCAGAAGATGCAGAAATATGCACCTGGCACCCCTGACCAACCCGCTGTCTGCAGCCTCTGCCCGCACTACGTAGCCGTTGTGCGCTCCAACCTCTGGCCCAGGCTATGCCTATCCGATGGCAAAAGTTTGAAACATCTACATCGCTGGGTGTTGCAAGTACAGTACGCGAGCTTCAACCCGGCCTGCCAGCCCCATTCAACAAGAGTACCCAGTGGCCACAGATCATGGAGATGAGTGAACCCACAGTGAAGAGGAGCAGGCTCTGAAAGCAGCCAGGAACAAGCCCTGGGAGCCACAGGAGGAGGAGGAGGGCGAGGAGGAGGAGGAGGAGGCGAGGAGACAGATGAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG215886 representing NM_030785
 Red=Cloning site Green=Tags(s)

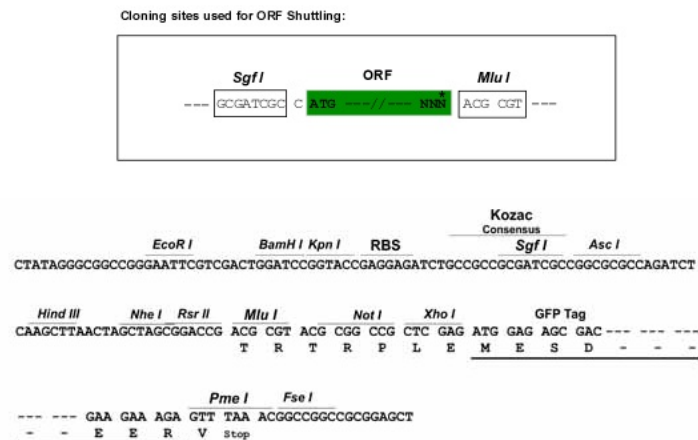
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 QKTEEEEDLGEEEKADEGPVEVEQEVGPPLL TPLSEDAEIMHLAPWTRLSCSLCPQYSVAVVRSNLWP
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 EEEEEEEEEEEETDD

TRTRPLE – GFP Tag – V

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_030785

ORF Size: 2151 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_030785.4](#)

RefSeq Size: 2477 bp

RefSeq ORF: 2154 bp

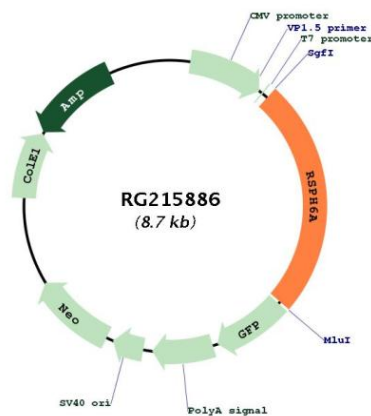
Locus ID: 81492

UniProt ID: [Q9H0K4](#)

Cytogenetics: 19q13.32

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]

Product images:



Circular map for RG215886