

Product datasheet for **MC220864**

Rsph6a (NM_031255) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Rsph6a (NM_031255) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Rsph6a
Synonyms:	Rshl1; RSP4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC220864 representing NM_031255
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATTTGGGGGAACCAACCGCCCAATCCTGACCCCTCTCAAACCCGAGGGCTTCCCAAGGCTCAGAAAGGCGAC
GGAGTCAAGAGTACTCTCAGCCTCTGTAAACCATCCCAGAGGATGGGTTGAACCGACCACCTCCGCAGCG
GGGCAGTCGGAGCAGTCAGGGCAGTCAGGACCTGCAGGGAACTGGTCTACCCCACTGGCCACAGAGGTCC
AGCCTGGTCCCAGATGTTCAAGGTGATGAAGGCACCGAGTACCACCAGTCCATGCCCTTAGGCTACACGC
CAGGCTTTCCCATGGAGTTCTCGCAACAGGGTTACCTGGATGATAGCAGGATGATGGAGCAGTTCCCACA
GGGCCAGGACCTCTTAGAACAACTGGAGTCTACCTACCAAGGCTCGGCTTCTGGAATCCTGGGCCAGCTC
AACTTGATCCAAGAGAGGATGAGATATTCAGCCAGGACACACAGCACGGACCCTACCTGAGAGACAGCC
CCTCCCTCCACCTGAGGCCCTCTGACCTGGGCTTCATGCCCCATTGTTGGAGAGGTACCTGACCCCGAGCC
TCGTGAGCTGGCAATACAGAACGCCAAGGCTACCTGCTGCGGACCAGCATGAGCTGCAACCTCAGCCTG
TATGAGCACCTGGTGAACCTGCTGACCAAGATCCTGAACCAGCGCCCTGAGGACCCCTTGTCATCCTGG
AGTCTCTGAACCGCACCATGCAGTGGGAATGGTTTACCCCCAAGCTGGACACGCTGCGGGACGACCCCGA
GATGCAGCCCACTACGAGATGGCCGAAAAAGGCTCTGTTTATCAGGGGTGGAGGAGAAGGCGAA
CAGGAAATGGAAGAGAGGTGACTGACAGCCCGGTGCCAACATCATGGAGCAGCGCTTCTACTTCGAGC
AGCGGCGCTGGGGCTGAGCTCGGACGAAAGCTTCCGAATCTTCTGGCCCTGAAGCAGCTGGTGAGACA
GCAGCCCATCCACATGTGCCGTTCTGGGGCAAGATCCTGGGCTGAGCGCAGCTACCTGGTGGCTGAG
GTGGAGTTCCGCGAGGGCGAGGAGGAGGGAGAGGAGGAGGTGGAGGAGATGATGGAGGGAGGCGAGG
TCTTGAGAGCGACGGTGAGGAGGAGGGAGAGGAGGATGAGGAGAAGGTGGTGACAGCGTGCCCAAGCC
ACAGTGGAAGCCGCGCCCATCATCCCCAAGGAGGAGAGCCGCACTGGCACCAACAAATACCTGTACTTC
GTGTGCAACGAGCCAGGCCGCCCGTGACGCGCCTGCCGCACGTGACGCCCGCGCAGATCGTGTGCGCGC
GCAAGATCAAAAAGTTCTTCACTGGCTTCTGGACAGCCGGTCACTAGCTATCCGCCCTTCCCGGGCAA
CGAGGCCAACTATCTCCGCGCGCAGATTGCGCGCATCTCCGCCGCCACACATCAGCCCGCTGGGCTTC
TACCAGTTCCGCGAGGAGGAGGCGCATGAGGAGGAGGAGGCGCGCGGACGCGATTCTTTGAGGAGA
ACCCCGACTTTGAGGGCATCCCGTGTTGGAGCTCGTGGACTCCATGGCCAACCTGGGTACATCACACTCA
GCACATCCTGCCTCAGGGGCGCTGTACATGGGTGAACCCACTGCAGAAAACAGAGGAGGAAGAAGAGCTA
GGGGAGGAGGAAGAGAAGGCAGACGAGGCAATGGAGGAGGTGGAGCAGGAGGTGGTCTCCGCTTCTGA
CTCCGCTCTCAGAAGATGCAGAAATCATGCACCTGTGCGCCTGGACCACCCGCCTCTCTGCAGCCTCAG
CCCTCAGTACTCGGTGGCCATCGTGCCTCCAACCTCTGGCCAGGGGCTATGCCTACGCCACTGGCAAG
AAGTTTGAGAACATATACATTGGCTGGGTGACAAGTATAGCCCCGAGAAGTTCAACCCAATGCTGCCAG
CTCTGATTGCAAGAGTACCCAGCGGCCCGGAAATCACGGAGATGAGTGACCCACAGTGAGGAGGAGA
GCAGGCCCTGAAGGCTGCTCAGGAGCAGGCCCTGGCAGCCGCTGAGGAAGGAGGAAGATGAGGAAGAG
GAGGAGGATGAAGACCTGGAGGACTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-Mlul
ACCN:	NM_031255
Insert Size:	2127 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).

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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_031255.2</u> , <u>NP_112545.2</u>
RefSeq Size:	2357 bp
RefSeq ORF:	2127 bp
Locus ID:	83434
UniProt ID:	<u>Q8CDR2</u>
Cytogenetics:	7 A3
Gene Summary:	Essential for sperm flagellar assembly and male fertility.[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).