

Product datasheet for **MC216022**

Rsph6a (NM_001159671) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Rsph6a (NM_001159671) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Rsph6a
Synonyms:	Rsh11; RSP4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC216022 representing NM_001159671
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGGGGAACACCGCCCAATCCTGACCCCTCTCAAACCCGGAGGGCTTCCAAGGCTCAGAAAGGGCAC
 GGAGTCAAGAGTACTCTCAGCCTCTGTTAACCATCCCAGAGGATGGGTTGAACCGACCACCTCCGCAGCG
 GGGCAGTCGGAGCAGTCAGGGCAGTCAGGACCTGCAGGGAAGTGTCTACCCCACTGGCCACAGAGGTCC
 AGCCTGGTCCCAGATGTTCAAGGTGATGAAGGCACCGAGTACCACCAGTCCATGCCCTTAGGCTACACGC
 CAGGCTTTCCCATGGAGTTCGCAACAGGGTTACCTGGATGATAGCAGGATGATGGAGCAGTTCACACA
 GGGCCAGGACCTTTAGAACAACCTGGAGTCTACCTACCAAGGCTCGGCTTCTGGAATCCTGGCCAGCTC
 AACTTGTATCCAAGAGAGGATGAGATATTCAGCCAGGACACACAGCACGGACCCTACCTGAGAGACGACC
 CCTCCCTCCACCTGAGGCCCTCTGACCTGGGCTTCATGCCATTGTTGGAGAGGTACCTGACCCCGAGCC
 TCGTGAGCTGGCAATACAGAACGCCAAGGCCTACCTGCTGCGGACCAGCATGAGCTGCAACCTCAGCCTG
 TATGAGCACCTGGTGAACCTGCTGACCAAGATCCTGAACCAAGCCCTGAGGACCCCTTGTCCATCCTGG
 AGTCTCTGAACCGCACCATGCAGTGGGAATGGTTTCACCCCAAGCTGGACACGCTGCGGGACGACCCCGA
 GATGCAGCCACCTACGAGATGGCCGAAAAGCAAAGGCTCTGTTTATCAGGGGTGGAGGAGAAGGGCAA
 CAGGAAATGGAAGAGGAGGTGGGGCGCTGTACATGGGTGAACCCACTGCAGAAAACAGAGGAGGAAGAAG
 AGCTAGGGGAGGAGGAAGAGAAGGCAGACGAGGCAATGGAGGAGGTGGAGCAGGAGGTCCGTCTCCGCT
 TCTGACTCCGCTCTCAGAAGATGCAGAAATCATGCACCTGTCGCCCTGGACCACCCGCTCTCCTGCAGC
 CTCAGCCCTCAGTACTCGGTGGCCATCGTGCCTCAACCTCTGGCCAGGGGCCATGCCTACGCCACTG
 GCAAGAAGTTTGAGAACATATACATTGGCTGGGTCAACAAGTATAGCCCGGAGAATTCACCCCAATGCT
 GCCAGCTCTGATTACGCAAGAGTACCCCAAGGCCCGCCGAAATCACGGAGATGAGTGACCCACAGTGGAG
 GAGGAGCAGGCCCTGAAGGCTGCTCAGGAGCAGGCCCTGGCAGCCGCTGAGGAAGAGGAGGAAGATGAGG
 AAGAGGAGGAGGATGAAGACCTGGAGGACTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-Mlul
- ACCN:** NM_001159671
- Insert Size:** 1362 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.

RefSeq:	<u>NM_001159671.1, NP_001153143.1</u>
RefSeq Size:	1592 bp
RefSeq ORF:	1362 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 (2) lacks an exon in the coding region compared to variant 1. The resulting protein (isoform 2) is shorter but has the identical N- and C-termini compared to isoform 1.