

Product datasheet for MC211715

Rsg1 (NM_001081174) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids

Product Name: Rsg1 (NM_001081174) Mouse Untagged Clone

Tag: Tag Free

Symbol: Rsg1

Synonyms: 6330545A04Rik; Gm723

Mammalian Cell Selection: Neomycin

Vector: pCMV6-Entry (PS100001)

E. coli Selection: Kanamycin (25 ug/mL)

Fully Sequenced ORF: >MC211715 representing NM_001081174
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**C

ATGGCCAGACCTCCCATGCACGGTTCGGTGATTGTCCCAGACTGGCATGAGACGGTCGAGGGTAAGGAGT
ACTTAGCCTGCATCCTGCGCAAGAATCGCCGGCGGGAGTTGGGTGCTTGAACGCCGGTGCTGCCCC
TTCCGTGGTCATTGATACCGCCAGCTATAAGATCTTTGTGTCCGGAAGAGTGGTGTGGCAAGACAGCA
CTGGTGGCAAAGCTGGCCGGCCTGGAAGTGCCTATAGTACACCATGAGACCACTGGCATTACAGACCACTG
TGGTGTGGTGGCAGCAAGCTGAAGGCCAGCGACTGTGTGTGTCATGTTCCGTTTGAATTCTGGGACTG
TGGGGAGTCTGCCCTCAAGAAGTTTGATCACATGCTGCCGGCTTGTAAGAGAATGCAGATGCCTTCCTC
TTCCTCTTTCTTTCACCGATCGTGCCTCCTTCGAAGACCTTCCTGGACAGTTGACTCGTGTAGCCGGTG
AAGCTCCTGGGCTCGTCAAGATAGTTATCGGGTCCAAGTTTGATCAGTACATGCACACAGATGTGCCAGC
GCGAGACCTCACAGCCTTCGGCAGGCCTGGGAAGTGCCTTGTTCCGGGTGAAGAGTGTGCCAGGGCGG
CGGCTGGCAGACGGACGAACACTGGATGGCAGGGCTGGGCTAGCTGACACAGCCCATGTGCTCAATGGCC
TTGCAGAACAGTTGTGGCACCAGGACAGGTGGCAGCCGGCTGCTCCCCAGTCCCCAGAGAGTGCTCC
CGGCTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001081174

Insert Size: 777 bp



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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_001081174.2</u> , <u>NP_001074643.1</u>
RefSeq Size:	951 bp
RefSeq ORF:	777 bp
Locus ID:	76166
UniProt ID:	<u>A2A825</u>
Cytogenetics:	4 D3
Gene Summary:	Potential effector of the planar cell polarity signaling pathway. Plays a role in targeted membrane trafficking most probably at the level of vesicle fusion with membranes. Involved in cilium biogenesis by regulating the transport of cargo proteins to the basal body and to the apical tips of cilia. More generally involved in exocytosis in secretory cells (By similarity). [UniProtKB/Swiss-Prot Function]