

Product datasheet for **MC219310**

Rsc1a1 (NM_023544) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Rsc1a1 (NM_023544) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Rsc1a1
Synonyms:	1700027M01Rik; OTTMUSG00000010365; Rs1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

Fully Sequenced ORF: >MC219310 representing NM_023544
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGC**

ATGTCATCATTGCCGACTTCAGATGGGTTTGACCATCCAGCTCCTTCAGGGCAGAGTCTGAGGTTGGTA
 GCGCGACGAGTCTCGCTCGCTCTGTTTCTGCTTCGCTCTGCGCCATCAAGCCCGGTGACCCCAATAGCAT
 TGAATCTCTAGCTATGGAGGCTACGAAGCTTCAGCTGAATTCAGACAACTCTAAGAAAAACAGACCT
 CCTCTCTGCAGGTTCTTCTGACCTTGCTTCCTCAGCAGAGCAGAGTCTAGCCATGCCTTTCCATAAGT
 CATCAAAAGAAGCCGTTGTTGCAGGTAATCTGGAGAAATCTGTTGAGAAAGGAACCCAGGGCCTCAGAGT
 GTATCTCCACACAAGACAGGACGCTAGTTAACTCTCACAACACTGGGATGCGGAGCCACAGATATTT
 GCGGAGGAAAAGAGTTGGCATCCAGAAAATCAGACCCCAAGTCCCGTGAACGGCCTTCAGCAGCACAGAG
 AAACAGGGAGTGTACAGCGAGAGGCTGGACAGCAGAGTGTCCACAGGACCAGGGCTGTCTTTGTACGC
 AGAAGACCTTGAGCTTCATGAAGAAGTTGTGAGTTTGAAGCTCTGAGGAAAGGTGAGCTACAAAGACAC
 GCTCATCTTCCAGTGCAGAGAAGGGTCTTCCAGCTTCAGGACTCTGTAGCTGTCCATGCTCAGAAGCCC
 TGATGGAAGTAGATACAGCTGAACAGTCTCTGGTTGCTATGTGCAGCTCAACAGGCAGGCAGGATGCCGT
 CATCAAGAGCCCTAGTGTAGCACATCTCGCTTCAGATAATCCCACTATGGAAGTGGAGACATTACAGTCT
 AACCCGTCCTGTGAGCCTGTGGAACATTCCATCTTGACTCGGGAATTGCAGCTCCAGAAGATAATGTTG
 ACATGTCTACAATGGATAACAAAGATGACAATTCCTCTCCCTTCTAAGTGGCCACGGTCAGCCCTCTGT
 GGAATCAGCAGAAGAATTTTGTTCATCTGTCACAGTGGCCTTGAAAGAACTCCATGAGCTTTTGGTCATT
 AGCTGTAAGCCAGCTTCAGAAGAGTCACCTGAGCATGTTACCTGTCAGTCAGAGATAGGAGCTGAGAGCC
 AACCAAGTGTTCAGACCTTTCAGGAAGAAGGGTCCAAAGTGTGATTTGACCCCTAGTGACCACTACTC
 ACAAGGCTCCTGTCAACAGGCCACCTCTGAATCAGGAAAGACAGAAATCGTAGGAAGTGGCCCTTGTGCT
 GCGGTAGAAGATGAAGCATCCACTAGCTTTGAAGGTCTGGGTGATGGCTGTACCTGACCGAGAAGATG
 TCCGCAGATCAACAGAGTCAGCCAGGAAGAGCTGTTCTGTGCGCCATAACCTCAGCTAAACTGTCTGAGCA
 GTTGCCCTGCACCTCAGGGGTAGAAATAGCACCTGAACCTGCAGCAAGTGAAGGTGCCACAGTCAGCCT
 TCAGAGCATGTGCATAATCCAGGCCCAGACAGGCCGAGACCAGCAGTGTCTGCCCTGGAGCTGGGTTGC
 CCCGTAGTGGATTGGACCAACCTCCACACAGTCTTGTCCACCCCTCCGTTCTCCACCGTTCATCTT
 TCCTGCTGCAGATGTTGACAGGATCTTGGTGCCGGCTTCACTCTGCAGGAAGCGCTCGGGGCTCTGCAT
 CGAGTTGGTGGGAATGCAGACCTTGCCCTTCTGTTTTGTAGCAAAGAACATTGTAGTCCCAACA**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_023544

Insert Size: 1749 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_023544.5, NP_076033.4</u>
RefSeq Size:	2154 bp
RefSeq ORF:	1749 bp
Locus ID:	69994
UniProt ID:	<u>Q9ER99</u>
Cytogenetics:	4 D3
Gene Summary:	Mediates transcriptional and post-transcriptional regulation of SLC5A1. Inhibits a dynamin and PKC-dependent exocytotic pathway of SLC5A1. Also involved in transcriptional regulation of SLC22A2. Exhibits glucose-dependent, short-term inhibition of SLC5A1 and SLC22A2 by inhibiting the release of vesicles from the trans-Golgi network (By similarity). Regulates the expression of SLC5A1 in a tissue-specific manner and is specifically involved in its regulation in the small intestine.[UniProtKB/Swiss-Prot Function]