

Product datasheet for MC211313

Rusc1 (NM_001083808) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Rusc1 (NM_001083808) Mouse Untagged Clone
Tag: Tag Free
Symbol: Rusc1
Synonyms: 2210403N08Rik; AA408288; NESCA
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC211313 representing NM_001083808
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGCAGAAGCCCAGAGTGGGACTGGCCAGCTGCAGGAGCAGAAGAAAGGTCTCCTGATAGCTGTCAGCG
 CTT**CAGTGGACAAAATCATCTCGCATT**TTGGGGCTGCTAGGAAC**TGGTTCAGAAGGCTCAATTGGGGGA**
 TAGCCGACTGAGCCAGATGTGGGCATCTGGTATTGACCACCCTG**CCCGGCCCTCCATGCTTTGGTG**
 GCTGATGGGCTGAAGCCATTCCGGAAAGGACCTCATCACTGGACAGCGGAGGAGCAGCCCTTGGAGTGTGG
 TGGAGGCATCTGTGAAACCAGGTTCTGCACACATTTCGATGGGATCTCTGTACAGCCAGGTCAGCCGACT
 GGCCCTCTGAGTAGCAGCCGACGCCGCTTCCACGCCTTCATCCTGGGCCTCTCAACACCAAACAGTTG
 GAACTGTGGTTTTCCAGCCTCCAGGAGGATGCAGGCCTACTGTCCCTCTTGTATCTGCCACCGGATTCT
 TCTCCCTGGCTCGTGGTAGCTGTCCATCCCTGGCTACAGAGCTGCTGCTTCTGCTGCAGCCACTGTCGGT
 GCTCACCTCCACCTGGACCTGCTCTTTGAGCACCACCACCACCTACCCGTGGGCCTGCAGCAGGCTCCT
 GCCCTTCATGCCCCCTCCCGCCCTCCAGCAGACTATGCAGGCTGTGCTGCAGTGGGGGAACGTTTGG
 CTCAGAGTCTCCGAGGGACTTCAGGGGAGAGACTACAGACTTCAACCCCTTCAGCAGCCCTCCAGC
 AGGCAGTTGGTGGGATCAGCTGACCCAGGCTTCTCGGGTCTATGCCTCTGGAGGCACTGAGGGCTTCCCT
 CTTCTCCGGTGGGGACCCAGGCGTCATGGAACACAGCTGAGGCGGCACAGGAGGCACCTCCGCCACGG
 AACAAACACACCAGGCAGAAGCGTGTGGTTGGGGCGGCTATTTGGTGTCCCTGGGTGCCCTCAGAAAC
 TGAGAGTGGCGCTTCAAGTCTAGGAGACCATCCAGCTGGTTGCCCCAAACAGTAAGTGTGCTGGCTCTG
 GTGAAGAGGGGACACCTCCTGAGACTCCTCCTGAGGCGCTTGTGAGCTCACCAGGCAGCGTGGTGCAGG
 CTGACAGGGCAGTCCGGGCTCTCTGTGACCACACTGCTGCAGGACCTGACCAATTGAGCTTCCAGCGTGG
 GGAATTGCTTCGAGTCATTGCCACAGTGGATGAAGACTGGCTTCGCTGTGGGCGGATGGTGTGGAGGGA
 CTGGTGCCCGTGGGATACACTTCCCTTGTCTG**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



Restriction Sites:	Sgfl-Mlul
ACCN:	NM_001083808
Insert Size:	1296 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:	<ol style="list-style-type: none">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_001083808.1</u> , <u>NP_001077277.1</u>
RefSeq Size:	1928 bp
RefSeq ORF:	1296 bp
Locus ID:	72296
UniProt ID:	<u>Q8BG26</u>
Cytogenetics:	3 F1
Gene Summary:	<p>Putative signaling adapter which may play a role in neuronal differentiation. May be involved in regulation of NGF-dependent neurite outgrowth. Proposed to play a role in neuronal vesicular trafficking, specifically involving pre-synaptic membrane proteins. Seems to be involved in signaling pathways that are regulated by the prolonged activation of MAPK. Can regulate the polyubiquitination of IKBKG and thus may be involved in regulation of the NF-kappa-B pathway.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (3) differs in the 5' UTR and has multiple coding region differences, compared to variant 1. These differences cause translation initiation from a downstream ATG and an isoform (3) with a shorter N-terminus, compared to isoform 1.</p>