

Product datasheet for MC223263

Rusc1 (NM_028188) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Rusc1 (NM_028188) 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:	>MC223263 representing NM_028188 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGCTGTCCCCTCAGCGGGCTTTACTCTGCAACCTCAATCACATCCATCTCCAGCATGTCTCCCTAGGCC
TGCCTTGTCCCCTGCTGAACACGAGAGGGGCTCTGAGCACACCCCGCCCGGGAGACACCGG
GGCAAGGAAAGCAGGGGCCCTGCAGCGGGACCTTGTGGATGCCAACTCCAACAGTCCAGCTGTGCC
TGTAGATGCTGCCAGGAGCACGGGTCCAGCATAGAAAATCAGCAGGACCTTCCCAGGAGGAAGAGGCTG
TTTCCCCTTCAGATCCAGGATGCTTCTCTCTCAGCTCCTGCTCAGACCTTAGCCCTGATGAGTCTCC
AGTGTCAGTCTACTCGCGAGACCTGCCTGGTAATGAGGATGCAAACCTCAGCCTAGCACCTGGAGCTG
GGCTCTCCTCTGGCTCCAGCGGGCCCTAGCACCTGCTCTCCAGACAGTTTCTGTTGCTCTCTGATTCTT
GCTCTGGAATATCTTCTCCACCTGGACCTGACCTGGACTGCAACTGCAACGCCCTGACCCTGCCAGGA
CCTACCTTCCCAGGCTTGGAGGAAGAGGAAGACAGTGGGGAACAGGATCTTGCTACCTCTGAGCTCTCA
GAGACCGAAGATGGGAGAATCGACGCAGGAAAGCAGAGCCAGTTGGAAAATTAACCCCATTTGGAAAA
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CAAGAAAGATCGCAGCGACTGGCTCATAGTCTTCTCGCCGACACTGAGCTCCCGCCGACTGGTCTTGTG
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CTCCGCCAGTCCCAGGAGGACCCCGGCTGGGTGGGCTTTGGTCCCGCTCGACCGCTCCCCACC
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CTCCGGCTGCTGGGGCAGCGAGTCCCCGGAGGAGCAGCTCTGCTGTGCGCCTATCCCAGTGGGAG



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CTTATTCTCTCCCACTCGGGGGCCTTGCCTTGCTGGCCAGCCCCGAAGTGGCACTGCTGCTATCCCC
GCTCTTTCCAGAAAGTAGCACCTTCCCCGCCGGCGCCCTACCCGCCAGGTTCCCGCCCCCGCTG
CCAACACCACCGTGTCCGCCGACCGCCCTCGCTGGACCAAGGCCACCACTCCGCCAGGCAACTGC
GCAGTTCTGGTGGTTTCCGGGTGTTCCCGGGGCTCAGCGGTGTGGATGGCAGAAGCCAGAGTGGGAC
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CATTTTGGGGCTGCTAGGAACTTGGTTTCAAGAGGCTCAATTGGGGATAGCCGACTGAGCCAGATGTGG
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GAAGGACCTCATCTGGACAGCGAGGAGCAGCCCTTGGAGTGTGGTGGAGGCATCTGTGAAACCAGGT
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CCTCCAGCAGACTATGCAGGCTGTGCTGCACTGGGGGAAACGTTTGGCTCAGAGTCTCCGAGGGACTTCA
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GACTCCTCCTGAGGCGCTTGTGAGCTCACAGGCGAGCTGGTGCAGGCTGACAGGGCAGTCCGGGCTCTC
TGTGACCACACTGCTGCAGGACCTGACCAATTGAGCTTCCAGCGTGGGGAATTGCTTCGAGTCATTGCCA
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CCTTGTCTGTAG
    
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ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_028188
- Insert Size:** 3093 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:** [NM_028188.2](#), [NP_082464.2](#)
- RefSeq Size:** 3799 bp
- RefSeq ORF:** 3093 bp

Locus ID: 72296

UniProt ID: [Q8BG26](#)

Cytogenetics: 3 F1

Gene Summary: 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]
Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (1).