

Product datasheet for **SC317149**

RUSC1 (NM_001105203) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RUSC1 (NM_001105203) Human Untagged Clone
Tag:	Tag Free
Symbol:	RUSC1
Synonyms:	NESCA
Vector:	<u>pCMV6 series</u>



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Fully Sequenced ORF: >NCBI ORF sequence for NM_001105203, the custom clone sequence may differ by one or more nucleotides

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ATGCTGTCCCCTCAGAGAGCTTTACTCTGCAACCTCAACCACATCCACCTCCAGCACGTC
TCCCTGGGCTGCACTTGTCCCGCGTCTGAGCTACAGGAGGGGCTTTGAGCACACCC
CCTCCTCAGGAGACTGGGGCAAGGAGAGCAGGGGCCCTGCAGTGGCACCTGGTG
GACGCCAATTC AACAGCCAGTGTGCCCTGCCGGTGTGCCAGGAGCACGGTCCGGGC
CTAGAAAACCGCAGACCCGTACAGGAGGAAGAGGGGCTGCCTCTCCCTCAGACCCA
GGCTGCTCCTCACTCAGCTCCTGCTCAGATCTTAGCCCCGATGAGTCCCCTGTCTCA
GTCTACTTGCGGGACCTCCCTGGTGATGAGGATGCCACCCCTCAGCCCAGTATCATCCCC
CTGGAGCAGGGCTCCCCACTGGCTTCAGCAGGCCCTGGCACCTGCTACCGGACAGCTTC
TGCTGCTCTCCTGATTCTGCTCCGGAGCTTCTTCTCACCCGATCCTGGCCTGGACTCG
AACTGCAACGCCCTGACCACCTGCCAGGACGTCCCTTCCCAGGCTTGAGGAAGAGGAC
GAGAGGGCGGAGCAGGATCTCCCTACCTCTGAGCTTTAGAGGCGGATGATGGGAAAATC
GACGCTGGGAAAACGGAGCCAGTTGGAAGATTAACCAATTTGAAAAATTGACACAGAG
AAAATAAAGCTGAATGAAAACCACTGAAAACAATAACTGGTTGAAAAACAACGGG
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AGTGACGTGAGCGAGGAGCCGGTCCCCACCGACAATCACGTCTTCCACGAGCTGGCC
CAGAAGCGCAAGCGGGGCCAGGGCTGCCCTTGTCCCGCAGGCGAAGAAAGATCGCAGT
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TCCTCGGCACCTCCTCGGGAAGTACCACCTTCAAGGAACTCCGGTCCGAAGCCGGGCC
CCAGCCCCCGCTGTCCCTCCCGAAGGAAGAAGAACCGACCTGGACTGCAGCCATA
GCGGAGGGGCAGTCCGAGGAGGGCCGGCTGTGACCCAGCGGCTGGCGAGGAGGCCCA
GCCGGAAGGAGCCGGCGCAGGCGGCTGGAGGTCCGTAGTTGTTGTTCTTCGCC
GGTGTCCCGGAGCCAGCGGCTGTGGATGGCAGAAGCCAGAGTGGGACTGGTCAGCTG
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CATTTGCGGGCCCGGAACTTGGTGCAGAAGGCCAGTTGGGTGATAGCCGGTGAGC
CCGGATGTGGGGACCTGGTGTGACCACCTCTGCCCGCCCTCCACGCCCTGGTGGCG
GACGGGTGAAGCCTTTCGGAAGGACCTCATACCGGGCAGCGCAGGAGCAGCCCTGG
AGCGTGGTGGAGCGTGGTGAAGCCAGGCTCCAGCACCCGCTCCCTTGAACCTGTAT
AGCCAGGTCAGCCGTCTAGCCCCGCTGAGCAGCAGCCGTAGCCGCTTCCATGCCTTATC
CTGGGCCTCCTCAACACCAAGCAGTTGGAGCTGTGGTTTTCCAGTCTCCAGGAAGATGCA
GGCCTGCTCTCCCTCCTGTACTCTGCAACAGGATTTTTCTCCCTGGCCCGCGGTGGTTGT
CCCTCCCTGTCCACAGAGCTGCTGCTCCTGCTGCAGCCATTGTCGGTGTCACTTCCAC
CTGGACCTGCTCTTTGAGCACCACCACCCTGCCCTGGGCCACCTCAGGCCCTGCC
CCTCCAGGCCACCTCCAGCTCTGCAGCAGACTATGCAAGCCATGCTGCACTTTGGGGG
CGGCTGGCCAGAGCCTTCGGGGACTTCCAAGGAAGCTGCTTCCAGACCCCTCTGACTCT
CCAAACCTTCCCACACAGGGAGCTGGTGGGAGCAGTTGACCCAGGCCTCCCGGGTCTAT
GCCTCTGGGGCACTGAGGGCTTTCCTCTTCCCGATGGGCACCGGGCGTCATGGGACT
GCAGCTGAAGAAGGTGCACAGGAGAGACCCTGCCACAGATGAGATGGCACCAGGCAGG
GGCCTCTGGTTGGGAAGACTATTTGGAGTGCCTGGGGGCCCGCAGAAAATGAGAATGGA
GCCCTAAAGTCCAGGAGACCATCTAGCTGGCTGCCCCGACAGTGAAGTGTGGTCTT
GTGAAGCGGGGGCACCTCCCGAGATGCCTTCTCCTCAGGAGCTTGAAGCCTCAGACCC
AGGATGGTGCAAACCCATAGGGCAGTGCGGCTCTCTGTGATCACACTGCTGCAAGACCT
GACCAGTTGAGCTTCCGGCGTGGGAAGTGTGCGTGTATCACCACAGTGGATGAGGAC
TGGCTCCGCTGTGGCGGGATGGCATGGAGGGTCTGGTGCCTGTGGGGTATACCTCCCTT
GTTCTG

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Restriction Sites: Please inquire
ACCN: NM_001105203

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).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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_001105203.1, NP_001098673.1</u>
RefSeq Size:	3503 bp
RefSeq ORF:	2709 bp
Locus ID:	23623
UniProt ID:	<u>Q9BVN2</u>
Cytogenetics:	1q22
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 (1) represents the longest transcript and encodes the longest isoform (a).</p>