

Product datasheet for **SC317132**

RUSC1 (NM_001105204) Human Untagged Clone

Product data:

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| Product Type: | Expression Plasmids |
| Product Name: | RUSC1 (NM_001105204) 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_001105204, the custom clone sequence may differ by one or more nucleotides

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ATGCTGTCCCCTCAGAGAGCTTTACTCTGCAACCTCAACCACATCCACCTCCAGCACGTC
TCCCTGGGCTGCACTTGTCCCCTGCTGAGCTACAGGAGGGGCTTTGAGCACACCC
CCTCCTCAGGAGACTGGGGCAAGGAGAGCAGGGGCCCTGCAGTGGCACCTTGGTG
GACGCCAATCCAACAGCCCAGTGTGCCCTGCCGGTGTGCCAGGAGCAGGTCCGGGC
CTAGAAAACCGCAGGACCCGTACAGGAGGAAGAGGGGCTGCCTCTCCCTCAGACCCA
GGCTGCTCCTCACTCAGCTCCTGCTCAGATCTTAGCCCCGATGAGTCCCCTGTCTCA
GTCTACTTGCGGGACCTCCCTGGTGATGAGGATGCCACCCCTCAGCCCAGTATCATCCCC
CTGGAGCAGGGCTCCCCACTGGCTTCAGCAGGCCCTGGCACCTGCTCACCGGACAGCTTC
TGCTGCTCCTGATTCTGCTCCGGAGCTTCTTCTCACCCGATCCTGGCCTGGACTCG
AACTGCAACGCCCTGACCACCTGCCAGGACGTCCCTTCCCAGGCTTGGAGGAAGAGGAC
GAGAGGGCGGAGCAGGATCTCCCTACCTCTGAGCTTTAGAGGCGGATGATGGGAAAATC
GACGCTGGGAAAACGGAGCCCAGTTGGAAGATTAACCAATTTGAAAAATTGACACAGAG
AAAATAAAGCTGAATGAAAACCACTGAAAACAATAACTGGTTGGAAAAACAACGGG
AATGTTAACTCTAGCTGAAAAGTGAACCTGAAAATTCGACTCTGGTTGAAAAACAAC
ACAAGAATAACTGATTCTGGCTCGAAAACAGATGCAGGGAAAATTGATGGAGGATGGAGA
AGTGACGTGAGCGAGGAGCCGGTCCCCACCGACAATCACGTCCTTCCACGAGCTGGCC
CAGAAGCGCAAGCGGGGCCAGGGCTGCCCTTGTCCCGCAGGCGAAGAAAGATCGCAGT
GACTGGCTCATAGTCTTCTCGCCGACACCGAGCTCCCCCTCGGGGTGCGCGGGCGGC
TCCTCGGCACCTCCTCGGGAAGTACCACCTTCAAGGAACTCCGGTCCCGAAGCCGGGC
CCAGCCCCGCCAGTCCCCTCGAGACCCCCAGTTGGCTGGGCTTTGGTCCCCTCCGG
CCCCACCCCGCTGTCCCTCCCCGAAGGAAGAAGAACCGACCTGGACTGCAGCCATA
GCGGAGGGCAGTCCGAGGAGGGCCGGGCTGTACGCCAGCGGCTGGCGAGGAGGCCCA
GCCGGAAGGAGCCGGCGCAGGCGGCTGGAGGTCCGTAGTTCTGTGGTCTTTCGCC
GGTGTCCCAGGAGCCAGCGGCTGTGGATGGCAGAAGCCAGAGTGGGACTGGTCAGCTG
CAGGAGCAGAAGAAAGTCTTCTGATAGCCGTCAGCGTCTCCGTTGATAAAATCATCTCG
CATTTCCGGGCGCCCGGAACTTGGTGCAGAAGGCCAGTTGGGTGATAGCCGGTGAGC
CCGGATGTGGGACCTGGTGTGACCACCTCTGCCCGCCCTCCACGCCCTGGTGGCG
GACGGGTGAAGCCTTCCGGAAGGACCTCATACCGGGCAGCGCAGGAGCAGCCCTGG
AGCGTGGTGGAGCGTGGTGAAGCCAGGCTCCAGCACCCGCTCCCTTGAACCTGTAT
AGCCAGGTGAGCGTCTAGCCCCGCTGAGCAGCAGCCGTAGCCGCTTCCATGCCTTATC
CTGGGCTCCTCAACACCAAGCAGTTGGAGCTGTGGTTTTCCAGTCTCCAGGAAGATGCA
GGGAGCTGGTGGGAGCAGTTGACCCAGGCTCCCAGGCTATGCCTCTGGGGCACTGAG
GGCTTCTCTTCCCAGTGGGCACCGGGCGTATGGGACTGCAGCTGAAGAAGGTGCA
CAGGAGAGACCCCTGCCACAGATGAGATGGCACCAGGCGAGGGCCTCTGGTTGGGAAGA
CTATTTGGAGTGCCTGGGGCCCCGAGAAAATGAGAATGGAGCCCTAAAGTCCAGGAGA
CCATCTAGCTGGCTGCCCGACAGTGAAGTGTGGTCTTGTGAAGCGGGGGCACCT
CCCGAGATGCCTTCTCCTCAGGAGCTTGAAGCCTCAGCACCCAGGATGGTGCAAACCCAT
AGGGCAGTGGGGCTCTCTGTGATCACACTGCTGCAAGACCTGACCAGTTGAGCTCCGG
CGTGGGAAGTGTGCGTGTATCACCACAGTGGATGAGGACTGGCTCCGCTGTGGGCGG
GATGGCATGGAGGTCTGGTGCCTGTGGGTATACCTCCCTTGTCTG

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Restriction Sites: Please inquire

ACCN: NM_001105204

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).

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| 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: | NM_001105204.1 , NP_001098674.1 |
| RefSeq Size: | 3185 bp |
| RefSeq ORF: | 2391 bp |
| Locus ID: | 23623 |
| UniProt ID: | Q9BVN2 |
| 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 (2) uses an alternate in-frame splice site, compared to variant 1. The encoded isoform (b) is shorter than isoform a.</p> |