

Product datasheet for **RG226172**

RUSC1 (NM_001105204) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RUSC1 (NM_001105204) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	RUSC1
Synonyms:	NESCA
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG226172 representing NM_001105204
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCTGTCCCCTCAGAGAGCTTTACTCTGCAACCTCAACCACATCCACCTCCAGCAGCTCTCCCTGGGCC
 TGCACTTGTCCCCTCCTGAGCTACAGGAGGGCCTTTGAGCACACCCCTCCTCCAGGAGACTGG
 GGGCAAGGAGAGCAGGGGCCCTGCAGTGGCACCTGGTGGACGCCAATTCACACAGCCAGCTGTGCC
 TGCCGGTGTGCCAGGAGCAGGTCCGGCCCTAGAAAACCGCAGGACCCGTACAGGAGGAAGAGGGGG
 CTGCTCTCCCTCAGACCAGGCTGCTCCTCACTCAGCTCCTGCTCAGATCTTAGCCCCGATGAGTC
 CCCTGTCTCAGTCTACTTGGGGACCTCCCTGGTATGAGGATGCCACCCCTCAGCCAGTATCATCCCC
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 AGCGTGGTGGAGCGTGGTGAAGCCAGGCTCCAGCACCCGCTCCCTTGAACCTGTATAGCCAGGTCA
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 TTCTCCTCAGGAGCTTGAGGCCCTCAGCACCCAGGATGGTCAAAACCATAGGGCAGTGGGGCTCTCTG
 TGATCACACTGCTGCAAGACCTGACCAGTTGAGCTTCCGGCGTGGGAAGTGTGCGTGTATCACCACA
 GTGGATGAGGACTGGCTCCGCTGTGGCGGATGGCATGGAGGGTCTGGTGCCTGTGGGGTATACCTCCC
 TTGTTCTG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG226172 representing NM_001105204
 Red=Cloning site Green=Tags(s)

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MLSPQRALLCNLNHIHLQHVSLLGLHLRRPELQEGPLSTPPPPGDTGGKESRGPCSGTLVDANSNSPAVP
CRCCQEHGPGLENRQDPSQEEEGAASDPGCSLSSCSLSPDESPVSVYLRDLPGDEDAHQPQSIIP
LEQGSPLASAGPGTCSDFCCSPDSCGASSSPDGLDNCNALTTCQDVPSPGLEEEDERAEQDLPTS
ELLEADDGKIDAGKTEPSWKINPIWKIDTEKTKAEWKTENNNTGWKNNGNVNSSWKSEPEKFDGWKTN
TRITDSGSKTDAGKIDGGWRSDVSEEPVPHRTITSFHELAQKRKRGPGLPLVPQAKKDRSDWLIVFSPDT
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AEGQSEEGRAVSPAAGEEAPAAKEPGAQAGLEVRSSWSFAGVPGAQRLWMAEAQSGTGQLQEKKGLLIA
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SVVEASVKPGSSTRSLGTLYSQVSR LAPLSSSRSRFHAFILGLLNTKQLELWFSSLQEDAGSWEQLTQA
SRVYASGGTEGFPLSRWAPGRHGTAAEEGAQERPLPTDEMAPGRGLWLGRLFVPGGPAENENGALKSRR
PSSWLPTVSVLALVKRGAPPEMPSQLEASAPRMVQTHRAVRALCDHTAARDQLSFRRGEVLRVITT
VDEDWLRCGRDMGLVPVGYTSLVL
  
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TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI

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_001105204.2](#)

RefSeq Size: 3185 bp

RefSeq ORF: 2391 bp

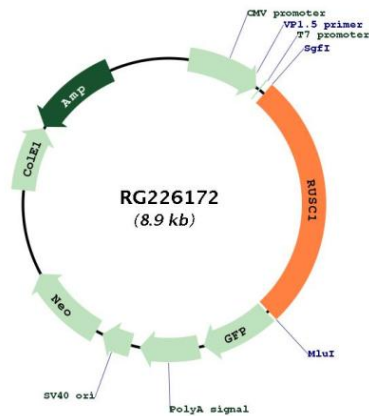
Locus ID: 23623

UniProt ID: [Q9BVN2](#)

Cytogenetics: 1q22

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]

Product images:



Circular map for RG226172