

Recombinant Human RUSC1 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. RUSC1-872H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	RUSC1 MS Standard C13 and N15-labeled recombinant protein (NP_055143) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	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.
Molecular Mass	46.6 kDa
AA Sequence	MAEAQSGTGQLQEQQKGLLIAVSVSDKIISHFGAARNLVQKAQLGDSRLSPDVGHL VLTTLCPALHALVADGLKPFRKDLITGQRRSSPWSVVEASVKPGSSSTRSLGTLYSQV SRLAPLSSSRSRFHAFILGLLNTKQLELWFSSQLQEDAGLLSLLYLPTGFFSLARGGCP SLSTELLLLLQPLSVLTFHLDLLFEHHHHLPLGPPQAPAPPGPPPALQQTMMQAMLHF GGRLAQSLRGTSKEAASDPSPNLPTPGSWWEQLTQASRVYASGGTEGFPLSR WAPGRHGTAAEEGAQERPLPTDEMAPGRGLWLGRLFVPGGPAENENGALKSRR PSSWLPPTVSVLALVKRGAPPEMPSPQELEASAPRMVQTHRAVRALCDHTAARPD

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	QLSFRRGEVLRVITTVDEDWLRCGRDGMGLVPGYTSVLTRTRPLEQKLISEEDL AANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name	RUSC1 RUN and SH3 domain containing 1 [Homo sapiens (human)]
Official Symbol	RUSC1
Synonyms	RUSC1; RUN and SH3 domain containing 1; RUN and SH3 domain-containing protein 1; NESCA; new molecule containing SH3 at the carboxy-terminus; DKFZp761A1822;
Gene ID	23623
mRNA Refseq	NM_014328
Protein Refseq	NP_055143
MIM	617318

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UniProt ID

Q9BVN2

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