

Product datasheet for PH300243

RUSC1 (NM_014328) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	RUSC1 MS Standard C13 and N15-labeled recombinant protein (NP_055143)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC200243
Predicted MW:	46.6 kDa
Protein Sequence:	>RC200243 protein sequence Red=Cloning site Green=Tags(s)
	MAEAQSGTGQLQEQQKGLLIAVSVSVDKIISHFGAARNLVQKAQLGDSRLSPDVGHLLVTLCPALHALV ADGLKPFKRDKITGQRRSSPWSVVEASVKPGSSTRSLGTLYSQVSRLAPLSSSRSRFHAFILGLLNTKQL ELWFSSLQEDAGLLSLLYLPTGFFSLARGGCPSTSTELLQPLSVLTFHLDLLFEHHHLPLGPPQAP APPGPPALQQTMAQLHFGGRLAQSLRGTSKEAASDPSDPSNLPPTGSSWWEQLTQASRVYASGGTEGFP LSRWAPGRHGTAEEGAQERPLPTDEMAPGRGLWLGRLFGVPGGPAENENGALKSRPSSWLPTVSVLA LVKRGAPPEMSPQELEASAPRMVQTHRAVRALCDHTAARPDQLSFRRGEVLRVITTVDEDWLCGRDGM EGLVPVGYTSLVL
	TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<u>NP_055143</u>
RefSeq Size:	2568
RefSeq ORF:	1299
Synonyms:	NESCA



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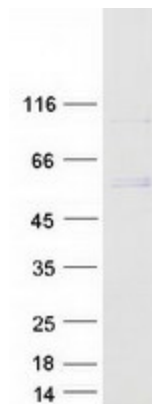
Locus ID: 23623

UniProt ID: [Q9BVN2](#)

Cytogenetics: 1q22

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:



Coomassie blue staining of purified RUSC1 protein (Cat# [TP300243]). The protein was produced from HEK293T cells transfected with RUSC1 cDNA clone (Cat# [RC200243]) using MegaTran 2.0 (Cat# [TT210002]).