Datasheet for ABIN7564328
RUSC1 Protein (AA 1-893) (His tag)

Overview

Quantity:	1 mg
Target:	RUSC1
Protein Characteristics:	AA 1-893
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This RUSC1 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat Rusc1 Protein expressed in mammalien cells.
Sequence:	MLSPQRALLC NLNHIHLQHV SLGLHLSRRP ELREGPLSTP PPPGDTGGKE SRGPCSGTLV DANSNSPAVP CRCCQEHGSS IENQQDPSQE EEAVSPSDPG CSSSLSSCSD LSPDESPVSV YSRDLPGNED ANPQPSTLEL GSPLAPAGPS TCSPDSFCCS PDSCSGISSP PGPDLDSNCN ALTTCQDLPS PGLEEEEDSG EQDLATSELS ETEDGRIDAG KAEPSWKINP IWKIDTEKTE AGWKTIEDSD SGRKTDENTN SSLKTESGKL ASCLNTNSGS KIDAGKTDGG WRGDVSQEPV PHRTITSFHE LAQKRKRGPG LPLVPQAKKD RSDWLIVFSP DTELPPTGSL GGSLAPPREV TTFKELRSRS RAQPPPVPPR DPPAGWALVP PRPPPPPVPP RRKKNRLGLQ PIAEGLSEEG RAASPRAGEE ASASQEPEEP RAHAVVRSSW SFAGVPGAQR LWMAEAQSGT GQLQEQKKGL LIAVSASVDK IISHFGAARN LVQKAQLGDS RLSPDVGHLV LTTLCPALHA LVADGLKPFR KDLITGQRRS SPWSVVEASV KPGSCTHSMG SLYSQVSRLA PLSSSRSRFH AFILGLLNTK QLELWFSSLQ EDAGLLSLLY LPTGFFSLAR GSCPSLATEL LLLLQPLSVL TFHLDLLFEH

Product Details

HHHLPVGLQQ APAPSCPPPA LQQTMQAVLH WGERLAQSLR GTSGESTTDS STPSARPPAG
SWWDQLTQAS RVYASGGTEG FPLLRWGPRR HGTTAEAAQE APPPTEQTTP GRSVWLGRLF
GVPGCPSETE SGAFKSRRPS SWLPPTVSVL ALVKRGTPPE TPPEALVSSP GSVVQADRAV
RALCDHTAAG PDQLSFQRGE LLRVIATVDE DWLRCGRDGV EGLVPVGYTS LVL **Sequence
without tag. The proposed Purification-Tag is based on experiences with the expression
system, a different complexity of the protein could make another tag necessary. In case you
have a special request, please contact us.**

Characteristics:	Key Benefits: • Made to order protein - from design to production - by highly experienced protein experts. • Protein expressed in mammalien cells and purified in one-step affinity chromatography • The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins. • State-of-the-art algorithm used for plasmid design (Gene synthesis). This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein. If you are not interested in a full length protein, please contact us for individual protein fragments. The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.
Purity:	> 90 % as determined by Bis-Tris Page, Western Blot
Grade:	custom-made

Target Details

Target:	RUSC1
Alternative Name:	Rusc1 (RUSC1 Products)
Background:	AP-4 complex accessory subunit RUSC1 (New molecule containing SH3 at the carboxy-terminus) (Nesca) (RUN and SH3 domain-containing protein 1),FUNCTION: Associates with the adapter-like complex 4 (AP-4) and may therefore play a role in vesicular trafficking of proteins at the trans-Golgi network. Signaling adapter which plays a role in neuronal differentiation. Involved in regulation of NGF-dependent neurite outgrowth (By similarity). May play a role in neuronal vesicular trafficking, specifically involving pre-synaptic membrane proteins

Target Details

	(PubMed:22404429). 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 (By similarity). {ECO:0000250|UniProtKB:Q9BVN2, ECO:0000269|PubMed:22404429}.
Molecular Weight:	95.2 kDa
UniProt:	Q8BG26

Application Details

Application Notes:	In addition to the applications listed above we expect the protein to work for functional studies as well. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	The buffer composition is at the discretion of the manufacturer.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-80 °C
Storage Comment:	Store at -80°C.
Expiry Date:	12 months