

Datasheet for ABIN7564917

Regulating Synaptic Membrane Exocytosis 1 (RIMS1) (AA 1-1463) protein (His tag)



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Overview

Quantity:	1 mg
Target:	Regulating Synaptic Membrane Exocytosis 1 (RIMS1)
Protein Characteristics:	AA 1-1463
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	His tag

Product Details

Purpose:	Custom-made recombinant Rims1 Protein expressed in mammalian cells.
Sequence:	MSSAVGPRGP RPPTVPPPMQ ELPDLSHLTE EERNIIMAVM DRQKEEEEKE EAMLKCVVRD MAKPAACKTP RNAESQPHQP PLNIFRCVCV PRKPSSEEGG PDRNWRLHQQ FESYKEQVRK IGEEARRYQG EHKDDAPTCG ICHKTKFADG CGHLCSYCRT KFCARCGGRV SLRSNNEDKV VMWVCNLCKR QQEILTKSGA WFFGSGPQQP SQDGTLSDTA TGAGSEVPRE KKARLQERSR SQTPLSTAAV SSQDTASHGA PLDRNKGAEP SQQALGPEQK QASRSRSEPP RERKKAPGLS EQNGKGGQKS ERKRVPKSVV QPGEGTADER ERKERRETRR LEKGRSQDYP DRLEKREDGR VAEDEKQRKE EEGVSTPEYT SCEDVELESE SVSEKGDLDY WLDAPATWHSR ETSPISHPV TWQPSKEGDR LIGRVILNKR TTMPKESGAL LGLKVVGKGM TDLGRLGAFI TKVKKGSLAD VVGHLRAGDE VLEWNGKPLP GATNEEVYNI ILESKSEPQV EIVSRPIGD IPRIPESHP PLESSSSSFE SQKMERPSIS VISPTSPGAL KDAPQVLPQ LSVKLWYDKV GHQLIVNLQ ATDLPPRVDG RPRNPYVKMY FLPDRSDKSK RRTKTVKLL EPKWNQTFVY SHVHRRDFRE RMLEITVWDQ PRVQDEESEF LGEILIELET ALLDDEPHWY KLQTHDESSL PLPQSPFMP

RRHIHGESS KKLQRSQRIS DSDISDYEVD DGIGVPPVPG YRASARESKA TTLTVPEQQR
TTHHRSRSVS PHRGDDQGRP RSRLPNVPLQ RSLDEIHPTR RSRSPTRHHD ASRSLADHRS
RHAESQYSSE PSELLMLPR AKRGRSAECL HMTSELQPSL DRARSASTNC LRPDTSLHSP
ERERGRWSPS LARRRPASPR IQIQHASPEN DRHSRKSERS SIQKQSRKGT ASDADRVLPP
CLSRRGYAIP RATDQPVIKRG KHTTRSRSSE HSSIRTLCSM HHLAPGGSAP PSPLLTRTHR
QGSPTQSPPA DTSFGSRRGR QLPQVPVRS SIEQASLVVE ERTRQMKMKV HRFKQTTGSG
SSQELDHEQY SKYNIHKDQY RSCDNASAKS SDDSDVSDVSA ISRASSTSRL SSTSFMSEQS
ERPRGRISSE TPKMQGRRMG TSGRAIKST SVSGEITL HNDGSQSDTA VGTVGAGGKK
RRSSLSAKVV AIVSRRSRST SLSQTESGH KKLKSTIQRS TETGMAAEMR KMVRQPSRES
TDGSINSYSS EGNLIFPGVR VGPDSQFSDFD LDGLGPAQLV GRQTLATPAM GDIQIGMEDK
KGQLEVEVIR ARSLTQKPGS KSTPAPYVKV YLLENGACIA KKKTRIARKT LDPLYQQSLV
FDESPQGKVL QVIVWGDYGR MDHKCFMGVA QILLEELDLS SMVIGWYKLF PPSSLVDPTL
TPLTRRASQS SLESSSGPPC IRS **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.**

Specificity: If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.

Characteristics: Key Benefits:

- Made to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian 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, anti-tag ELISA, Western Blot and analytical SEC (HPLC)

Grade: custom-made

Target Details

Target:	Regulating Synaptic Membrane Exocytosis 1 (RIMS1)
Alternative Name:	Rims1 (RIMS1 Products)
Background:	Regulating synaptic membrane exocytosis protein 1 (Rab-3-interacting molecule 1) (RIM 1) (Rab-3-interacting protein 1),FUNCTION: Rab effector involved in exocytosis (PubMed:11797009). May act as scaffold protein that regulates neurotransmitter release at the active zone. Essential for maintaining normal probability of neurotransmitter release and for regulating release during short-term synaptic plasticity (PubMed:11797009). Plays a role in dendrite formation by melanocytes (By similarity). {ECO:0000250 UniProtKB:Q86UR5, ECO:0000269 PubMed:11797009}.
Molecular Weight:	163.2 kDa
UniProt:	Q99NE5
Pathways:	Synaptic Membrane , Synaptic Vesicle Exocytosis , Dicarboxylic Acid Transport , Regulation of long-term Neuronal Synaptic Plasticity

Application Details

Application Notes:	We expect the protein to work for functional studies. 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