

Datasheet for ABIN7564580

Synaptojanin 1 Protein (SYNJ1) (AA 1-1574) (His tag)



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Overview

Quantity:	1 mg
Target:	Synaptojanin 1 (SYNJ1)
Protein Characteristics:	AA 1-1574
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Synaptojanin 1 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant Synj1 Protein expressed in mammalian cells.
Sequence:	MAFSKGFRIY HKLDPPPFSL IVETRHKEEC LMFESGAVAV LSSAEKEAIK GTYAKVLDAY GLLGVLRLNL GDTMLHYLVL VTGCMSVGKI QESEVFRVTS TEFISLRVDA SDEDRISEVR KVLNSGNFYF AWSASGVSLD LSLNAHRSMQ EHTTDNRFFW NQSLHLHLKH YGVNCDDWLL RLMCGGVEIR TIYAAHKQAK ACLISRLSCE RAGTRFNVRG TNDDGHVANF VETEQVIYLD DCVSSFIQIR GSVPLFWEQP GLQVGSHRVR MSRGFEANAP AFDRHFRTLK DLYGKQIVVN LLGSKEGEHM LSKAFQSHLK ASEHASDIHM VSFDYHQMVK GGKAEKLHSI LKPQVQKFLD YGFFYFDGSE VQRCQSGTVR TNCLDCLDRT NSVQAFLGLE MIAKQLEALG LAEKPQLVTR FQEVFRSMWS VNGDSISKIY AGTGALEGKA KLKDGARSVT RTIQNNFFDS SKQEADVLL LGNTLNSDLA DKARALLTTG SLRVSEQLTQ SASSKVLKNM CENFYKYSKP KKIRVCVGTW NVNGGKQFRS IAFKNQTLTD WLLDAPKLAG IQEFQDKRSK PTDIFAIGFE EMVELNAGNI VNASTTNQKL WAVELQKTIS RDNKYVLLAS EQLVGVCLFV FIRPQHAPFI RDVAVDTVKT GMGGATGNKG AVAIRMLFHT TSLCFVCSHF AAGQSQVKER NEDFVEIARK LSFPMGRMLF

SHDYVFWCGD FNYRIDLPNE EVKELIRQQN WDSLIAGDQL INQKNAGQIF RGFLEGKVTF
APTYKYDLFS EDYDTSEKCR TPAWTDRLVW RRRKWPFDRS AEDLDLLNAS FQDESKILYT
WTPGTLLHYG RAEKTS DHR PVVALIDIDI FEVEAEERQK IYKEVIAVQG PPDGTVLVS
KSSAQESTFF DDALIDELLR QFAHFGEVIL IRFVEDKMWV TFLEGSSALN ALSLNGKELL
NRTITITLKS PDWIKHLEEE MSLEKISVTL PSSASSTLLG EDAEVAADF MEGDVDDYSA
EVEELLPQHL QPSSSSGLGT SPSSSPRTSP CQSPTVPEYS APSLPIRPSR APSRTPGPPS
SQGSPVDTQP AAQKDSSQTL EPKRPPPPRP VAPPARPAPP QRPPPPSGAR SPAPARKEFG
GVGAPPSPGV ARREIEAPKS PGTARKDNIG RNQSPQAGL AGPGPAGYGA ARPTIPARAG
VISAPQSQAR VCAGRPTPDS QSKPSETLKG PAVLPEPLKP QAAFPQQPSL PTPAQKLQDP
LVPIAAPTMP PSGPQPNLET PPQPPPRSRS SQSLPSDSSP QLQQEQPTGQ VKINGISGVK
QEPTLKSDPF EDLSLSVLAV SKAQPSVQIS PVLTPDPKML IQLPSASQSQ VNPLSSVSCM
PTRPPGPEES KSQESMGSSA NPFPSLPCRN PFTDRTAAPG NPFRVQSQES EATSWLSKEE
PVPNSPFPPL MPLSHDTSKA SSSLGGFEDN FDLQSQSTVK TSNPKGWVTF DEDDNFPTTG
KSKSVCPDLV GNAPASFDDD WSKGASVSFC VLPARRPPPP PPPVLLPPG TTSSAGPSTT
LPSKAPSTLD FTER **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)

Product Details

Grade: custom-made

Target Details

Target: Synaptotagmin 1 (SYNJ1)

Alternative Name: Synj1 ([SYNJ1 Products](#))

Background: Synaptotagmin-1 (EC 3.1.3.36) (Synaptic inositol 1,4,5-trisphosphate 5-phosphatase 1),FUNCTION: Phosphatase that acts on various phosphoinositides, including phosphatidylinositol 4-phosphate, phosphatidylinositol (4,5)-bisphosphate and phosphatidylinositol (3,4,5)-trisphosphate (By similarity). Has a role in clathrin-mediated endocytosis (By similarity). Hydrolyzes PIP2 bound to actin regulatory proteins resulting in the rearrangement of actin filaments downstream of tyrosine kinase and ASH/GRB2 (By similarity). {ECO:0000250|UniProtKB:O18964, ECO:0000250|UniProtKB:Q62910}.

Molecular Weight: 172.6 kDa

UniProt: [Q8CHC4](#)

Pathways: [Inositol Metabolic Process](#), [Synaptic Vesicle Exocytosis](#)

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