

Datasheet for ABIN7555700

Synaptojanin 1 Protein (SYNJ1) (AA 1-1573) (His tag)



[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	Synaptojanin 1 (SYNJ1)
Protein Characteristics:	AA 1-1573
Origin:	Human
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 GTYSKVLDAY GLLGVLRLNL GDTMLHYLVL VTGCMSVGKI QESEVFRVTS TEFISLRIDS SDEDRISEVR KVLNSGNFYF AWSASGISLD LSLNAHRSMQ EQTTDNRFfw NQSLHLHLKH YGVNCDDWLL RLMCGGVEIR TIYAAHKQAK ACLISRLSCE RAGTRFNVRG TNDDGHVANF VETEQVVYLD DSVSSFIQIR GSVPLFWEQP GLQVGSHRVR MSRGFEANAP AFDRHFRTLK NLYGKQIIVN LLGSKEGEHM LSKAFQSHLK ASEHAADIQM VNF DYHQMVK GGKAEKLHSV LKPQVQKFLD YGFFYFNGSE VQRCQSGTVR TNCLDCLDRT NSVQAFLGLE MlakQLEALG LAEKPQLVTR FQEVFRSMWS VNGDSISKIY AGTGALEGKA KLKDGARSVT RTIQNNFFDS SKQEADVLL LGNTLNSDLA DKARALLTTG SLRVSEQLTQ SASSKVLKSM CENFYKYSKP KKIRVCVGTW NVNGGKQFRS IAFKNQTLTD WLLDAPKLAG IQEFQDKRSK PTDIFAIGFE EMVELNAGNI VSASTTNQKL WAVElQKTIS RDNKYVLLAS EQLVGVCLFV FIRPQHAPFI RDVAVDTVKT GMGGATGNKG AVAIRMLFHT TSLCFVCSHF AAGQSQVKER NEDFIEIARK LSFPMGRMLF

SHDYVFWCGD FNYRIDLPNE EVKELIRQQN WDSLIAGDQL INQKNAGQVF RGFLEGKVTF
APTYKYDLFS DDYDTSEKCR TPAWTDRLVW RRRKWPFDRS AEDLDLLNAS FQDESKILYT
WTPGTLLHYG RAEKTSDDR PVVALIDIDI FEVEAEERQN IYKEVIAVQG PPDGTVLVS
KSSLPENNFF DDALIDELLQ QFASFGEVIL IRFVEDKMWV TFLEGSSALN VLSLNGKELL
NRTITIALKS PDWIKNLEEE MSLEKISIAL PSSTSSTLLG EDAEVAADF MEGDVDDYSA
EVEELLPQHL QPSSSSGLGT SPSSSPRTSP CQSPTISEGP VPSLPIRPSR APSRTPGPPS
AQSSPIDAQP ATPLPQKDP QPLEPKRPPP PRPVAPPTRP APPQRPPPPS GARSPAPTRK
EFGGIGAPPS PGVARREMEA PKSPGTTRKD NIGRSQPSPQ AGLAGPGPAG YSTARPTIPP
RAGVISAPQS HARASAGRLT PESQSKTSET SKGSTFLPEP LKPQAAFPQ SSLPPPAQRL
QEPLVPVAA MPQSGPQPNL ETPPQPPRS RSSHSLPSEA SSQPQVKTNG ISDGKRESPL
KIDPFEDLSF NLLAVSKAQL SVQTSPVPTP DPKRLIQLPS ATQSNVLSSV SCMPTMPPIP
ARSQSQENMR SSPNPFITGL TRTNPFSDRT AAPGNPFRAK SEESEATSWF SKEEPTISP
FPSLQPLGHN KSRASSSLDG FKDSFDLQGG STLKISNPKG WVTFFFFFFD GVKGKSKSAC
SDLLGNQPSS FSGSNLTLND DWNKGTNVSF CVLPSRRPPP PPVLLPPGT SPPVDPFTTL
ASKASPTLDF TER **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:	Synaptojanin 1 (SYNJ1)
Alternative Name:	SYNJ1 (SYNJ1 Products)
Background:	Synaptojanin-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 (PubMed:27435091, PubMed:23804563). 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, ECO:0000269 PubMed:23804563, ECO:0000269 PubMed:27435091}.
Molecular Weight:	173.1 kDa
UniProt:	O43426
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