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Datasheet for ABIN7564974

Synaptojanin 2 Protein (SYNJ2) (AA 1-1434) (His tag)

Overview

Quantity:	1 mg
Target:	Synaptojanin 2 (SYNJ2)
Protein Characteristics:	AA 1-1434
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Synaptojanin 2 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat Synj2 Protein expressed in mammalien cells.
Sequence:	MALSKGLRLL ARLDPTGPSS VLLEARGRGD CLLFEAGAVA TLAPEEKEVI KGLYSKLTDA YGCLGELRLQ SGGVPLSFLV LVTGCMSVGR IPDAEIYKIT ATELYPLQEE AKEEDRLPTL KKILSSGVFY FAWPNDGACF DLTIRAQKQG DDGSEWGTFS FWNQLLHVPL RQHQVNCHNW LLKVICGVVT IRTVYASHKQ AKACLISRIS CERAGARFLT RGVNDDGHVS NFVETEQTII MDDGVSSFVQ IRGSVPLFWE QPGLQVGS HH LRLHRGLEAN APAFERHMLV LKEQYGKQVV VNLLGSRGGE EVLNRAFKKL LWASCHAGDT PMINFDHFHQF AKGRKLEKLE NLLRPQLQLH WEDFGVFAKG ENVSPRFQKG TLRMNCLDCL DRTNTVQCFI ALEVLHLQLE SLGLNSKPII DRFVESFKAM WSLNGHLSLK VFTGSRALLEG KAKVGKLDKG ARSMSRTIQS NFFDGVKQEA IKLLLVDVY NEESTDKGRM LLDNTALLAT PRILKAMTER QSEFTNFKRI QIAVGTWNVN GGKQFRSNLL GTAELTDWLL DAPQLSGAVD SQDDGSPADV FAIGFEEMVE LSAGNIVNAS TTNRKMWGEQ LQKAISRSHR YILLTSAQLV GVCLYIFVRP YHVPFIRDVA IDTVKTGMGG

KAGNKGAVGI RFQLHSTSFC FVCSHLTAGQ SQVKERNEDY REITHKLSFP SGRNIFSHDY
VFWCGDFNYR IDLTYEEVFY FVKRQDWKKL MEFDQLQLQK SSGKIFKDFH EGAVNFGPTY
KYDVGSAAYD TSDKCRTPAW TDRVLWWRKK HPYDKTAGEL NLLDSDLGDG PQIRHTWSPG
TLKYYGRAEL QASDHRPVA IVEVEVQEVD VGARERVFQE VSSVQGPLDA TVVNLQSPT
LEEKNEFPED LRTELMQTLG NYGTIILVRI NQGQMLVTFA DSHSALSULD VDGMMKVKGRA
VKIRPKTKDW LEGLREELLR KRDSMAPVSP TANSCLLEEN FDFSSLDYES EGDVLEEDD
YLVDFGFGQPV VSDSELGGDN SSDTMSSLTP ASKSPALAKK KQHPTYKAGL MVKKSASDAS
ISSGTHGQYS ILQTAKLLPG APQQPPKART GISKPYNVKQ IKTTNAQEA AAIRCLLEAS
GGVPESAPGA IPLRNQGSSK PEATLGPPAL PRRPAPRVPT MKKPTLRRTG KPMLPEENFE
PQPVHFTMAS QEMNLETPPP ITATPIPPVP KPRTLQPGKG VEGRPSSGKP EPDEAPSVTG
TVESPPEAQ EAPSLAPKVP PRRKKSAPAA FHLQVLQNNQ QVLQGLTCSS SSPPSLKPD
HPLCLQVALG TSSARSPETH GPRVTEPEAA SFHGNYPDPF WSLHHPKLL NNTWLSKSSE
PLDVGSRNPE RTHTEPAQVN ASLAERGLPP DHGGKDLSHW VTASNKDKRT TLGV **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 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, Western Blot

Grade: custom-made

Target Details

Target:	Synaptojanin 2 (SYNJ2)
Alternative Name:	Synj2 (SYNJ2 Products)
Background:	Synaptojanin-2 (EC 3.1.3.36) (Synaptic inositol 1,4,5-trisphosphate 5-phosphatase 2),FUNCTION: Inositol 5-phosphatase which may be involved in distinct membrane trafficking and signal transduction pathways. May mediate the inhibitory effect of Rac1 on endocytosis (By similarity). {ECO:0000250, ECO:0000269 PubMed:9442075}.
Molecular Weight:	158.5 kDa
UniProt:	Q9D2G5
Pathways:	Inositol Metabolic Process

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