

Product datasheet for TP315278

Synaptojanin (SYNJ1) (NM_203446) Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins
Description: Recombinant protein of human synaptojanin 1 (SYNJ1), transcript variant 2, 20 µg
Species: Human
Expression Host: HEK293T
Expression cDNA Clone or AA Sequence: >RC215278 representing NM_203446
Red=Cloning site Green=Tags(s)

MAFSKGFRIYHKLDPPPFLIVETRHKEECLMFESGAVAVLSSAEKEAIKGTYSKVLDAYGLLGVLRLNL
 GDTMLHYLVLTGCMSVGKIQESEVFRVTSTEFISLRIDSSDEDRISEVRKVLNSGNFYFAWSASGISLD
 LSLNAHRSMQEQTDDNRFFWNQSLHLHLKHYGVNCDDWLLRLMCGGVEIRTIYAAHKQAKACLISRLSCE
 RAGTRFNVRGTNDDGHVANFVETEQVYVLDSSVSSFIQIRGSVPLFWEQPLQVGSHRVRMSRGFEANAP
 AFDHRFRTLKNLYGKQIIVNLLGSKEGEHMLS KAFQSHLKASEHAADIQMVNFDYHQMVKGGKAELHVS
 LKPQVQKFLDYGFFYFNGSEVQRCQSGTVRTNCLDCLDRTNSVQAFLEMLAKQLEALGLAEKPQLVTR
 FQEVFRSMWSVNGDSISKIYAGTGALEGGKAKLKD GARSVTRTIQNNFFDSSKQEAIDVLLGNTLNSDLA
 DKARALLTTGSLRVSEQLQSASSKVLKSMCENFYKYSKPKKIRVCVGTWNVNGGKQFRSIAFKNQTLTD
 WLLDAPKLAGIQEFQDKRSKPTDIFAIGFEEMVELNAGNIVSASTTNQKLWAVELQKTISRDNKYVLLAS
 EQLVGVCLFVIRPQHAPFIRDVAVDTVKTGMGGATGNKGAVAIRMLFHTTSLCFVCSHFAAGQSQVKER
 NEDFIEIARKLSFPMGRMLFSHDYVFWCGDFNYRIDLPNEEVKELIRQQNWDSL IAGDQLINQKNAGQVF
 RGFLEGGVTFAPTYKYDLFSDDYDTSEKCRTPAWTDRVLWRRRKWPFDRSAEDLDLLNASFQDESKILYT
 WTPGTLHYGRAELKTS DHRPVVALIDIDIFEVEAEERQNIYKEVIAVQGPDPGTVLVSISLSPENNFF
 DDALIDELLQQFASFGEVILIRFVEDKMWVTFLEGSSALNVLSLNGKELLNRTITIALKSPDWIKNLEEE
 MSLEKISIALPSSTSSTLLGEDAEVAADFMEGDVDDYSAEVEELLPQHLQPSSSSGLGTSPSSSPRTSP
 CQSPTISEGPVPSLPIRPSRAPSRTPGPPSAQSSPIDAQPATPLPQKDPAPQPLEPKRPPPPRPVAPTRP
 APPQRPPPPSGARSPAPTRKEFGAPKSPGTTRKDNIGRSQSPSPQAGLAGPGPAGYSTARPTIPPRAGVIS
 APQSHARASAGRLTPESQSKTSETSKGSTFLPEPLKQAAPPQSSLPQAPQLQEPLVPVAAPMPQSGP
 QPNLETPPQPPPSRSSHSLPSEASSQPQQEQPSG

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

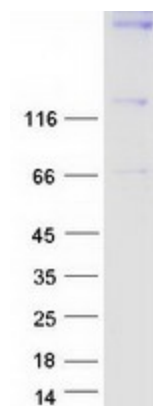
Tag: C-Myc/DDK
Predicted MW: 149.1 kDa
Concentration: >0.05 µg/µL as determined by microplate BCA method



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Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Bioactivity:	In vitro kinase assay substrate (PMID: 27794539)
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_982271
Locus ID:	8867
UniProt ID:	O43426
RefSeq Size:	7039
Cytogenetics:	21q22.11
RefSeq ORF:	3885
Synonyms:	DEE53; EIEE53; INPP5G; PARK20
Summary:	This gene encodes a phosphoinositide phosphatase that regulates levels of membrane phosphatidylinositol-4,5-bisphosphate. As such, expression of this enzyme may affect synaptic transmission and membrane trafficking. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Sep 2011]
Protein Families:	Druggable Genome, Phosphatase
Protein Pathways:	Inositol phosphate metabolism, Metabolic pathways, Phosphatidylinositol signaling system

Product images:



Coomassie blue staining of purified SYNJ1 protein (Cat# TP315278). The protein was produced from HEK293T cells transfected with SYNJ1 cDNA clone (Cat# [RC215278]) using MegaTran 2.0 (Cat# [TT210002]).