

## Product datasheet for TP315278L

### Synaptojanin (SYNJ1) (NM\_203446) Human Recombinant Protein

#### Product data:

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

MAFSKGFRIYHKLDPPPFLIVETRHKEECLMFESGAVAVLSSAEKEAIKGTYSKVLDAYGLLGVLRLNL  
GDTMLHYLVLTGCMSVGKIQESEVFRVTSTEFISLRIDSSDEDRISEVRKVLNSGNFYFAWSASGISLD  
LSLNAHRSMQEQTDDNRFFWNQSLHLHLKHYGVNCDWLLRLMCGGVEIRTIYAAHKQAKACLISRLSCE  
RAGTRFNVRGTNDGDGHVANFVETEQVYVLDSSVSSFIQIRGSVPLFWEQPLQVGSHRVRMSRGEANAP  
AFDRHFRTLKNLYGKQIIVNLLGSKEGEHMLSKAFQSHLKASEHAADIQMVNFDYHQMVKGGKAELHVS  
LKPQVQKFLDYGFFYFNGSEVQRCQSGTVRTNCLDCLDRTNSVQAFLEMLAKQLEALGLAEKPQLVTR  
FQEVFRSMWSVNGDSISKIYAGTGALEGGKAKLKDARSVTRTIQNNFFDSSKQEAIDVLLGNTLNSDLA  
DKARALLTTGSLRVSEQLQSASSKVLKSMCENFYKSKPKKIRVCVGTWNVNGGKQFRSIAFKNQTLTD  
WLLDAPKLAGIQEFQDKRSKPTDIFAIGFEEMVELNAGNIVSASTTNQKLWAVELQKTISRDNKYVLLAS  
EQLVGVCLFVIRPQHAPFIRDVAVDTVKTGMGGATGNKGAVAIRMLFHTTSLCFVCSHFAAGQSQVKER  
NEDFIEIARKLSFPMGRMLFSHDYVFWCGDFNYRIDLPNEEVKELIRQQNWDSLIIAGDQLINQKNAGQVF  
RGFLEGGVTFAPTYKYDLFSDDYDTSEKCRTPAWTDRVLWRRRKWPFDRSAEDLDLLNASFQDESKILYT  
WTPGTLHYGRAELKTSDRPVVALIDIDIFEVEAEERQNIYKEVIAVQGPDPGTVLVSISLSPENNF  
DDALIDELLQQFASFGEVILIRFVEDKMWVTFLEGSSALNVLSLNGKELLNRTITIALKSPDWIKNLEEE  
MSLEKISIALPSSTSSTLLGEDAEVAADFMEGDVDDYSAEVEELLPQHLQPSSSSGLGTSPSSSPRTSP  
CQSPTISEGPVPSLPIRPSRAPSRTPGPPSAQSSPIDAQPATPLPQKDPAPQLEPKRPPPPRPVAPPTRP  
APPQRPPPPSGARSPAPTRKEFGAPKSPGTTRKDNIGRSQSPSPQAGLAGPGPAGYSTARPTIPPRAGVIS  
APQSHARASAGRLTPESQSKTSETSKGSTFLPEPLKQAAPPQSSLPQAPQLQEPLVPVAAPMPQSGP  
QPNLETPPQPPPSRSSHSLPSEASSQPQQEQPSG

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

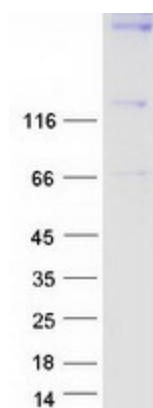
|                |  |
|----------------|--|
| Tag:           | C-Myc/DDK  |
| Predicted MW:  | 149.1 kDa  |
| Concentration: | >0.05 µg/µL as determined by microplate BCA method |



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|                          |  |
|--------------------------|--|
| <b>Purity:</b>           | > 80% as determined by SDS-PAGE and Coomassie blue staining  |
| <b>Buffer:</b>           | 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol   |
| <b>Bioactivity:</b>      | In vitro kinase assay substrate (PMID: <a href="#">27794539</a> )  |
| <b>Preparation:</b>      | Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.   |
| <b>Note:</b>             | For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.   |
| <b>Storage:</b>          | Store at -80°C.  |
| <b>Stability:</b>        | Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.  |
| <b>RefSeq:</b>           | <a href="#">NP_982271</a>  |
| <b>Locus ID:</b>         | 8867   |
| <b>UniProt ID:</b>       | <a href="#">O43426</a> , <a href="#">C9JFZ1</a> , <a href="#">Q05CZ1</a>   |
| <b>RefSeq Size:</b>      | 7039   |
| <b>Cytogenetics:</b>     | 21q22.11   |
| <b>RefSeq ORF:</b>       | 3885   |
| <b>Synonyms:</b>         | DEE53; EIEE53; INPP5G; PARK20  |
| <b>Summary:</b>          | 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] |
| <b>Protein Families:</b> | Druggable Genome, Phosphatase  |
| <b>Protein Pathways:</b> | 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]).