

## Product datasheet for PH315278

### Synaptojanin (SYNJ1) (NM\_203446) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	SYNJ1 MS Standard C13 and N15-labeled recombinant protein (NP_982271)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC215278
Predicted MW:	149.1 kDa
Protein Sequence:	>RC215278 representing NM_203446 Red=Cloning site Green=Tags(s)

MAFSKGFRIYHKLDPPPFSLIVETRHKEECLMFESGAVAVLSSAEKEAIKGTYSKVLDAYGLLGVLRLNL  
GDTMLHYLVLTGCM SVGKIQESEVFRVTSTEFISLRIDSSDEDRISEVRKVLNSGNFYFAWSASGISLD  
LSLNAHRSMQEQT TDNRFFWNQSLHLHLKHYGVNCDWLLRLMCGGVEIRTIYAAHKQAKACLISRLSCE  
RAGTRFNVRGTNDGDHVFVETEQQVVYLDSSVSSF IQIRGSVPLFWEQPLQVGS HRVMSRGFEANAP  
AFDRHFRTLKNLYGKQII VNLGSGEHEMLSKAFQSHLKASEHAADIQMVNFDYHQMVKGGKAEKLHSV  
LKPQVQKFLDYGFFYFNGSEVQRCQSGTVRTNCLDCLDRTNVQAFLEMLAKQLEALGLAEKPQLVTR  
FQEVFRSMWSVNGDSISKIYAGTGALLEGKAKLKDARSVRTIQQNFFDSSKQEAIDVLLLGNLNSDLA  
DKARALLTTGSLRVSEQLQSASSKVLKSMCFYKYSKPKKIRVCGVTWVNVGGKQFRSIAFKNQLTD  
WLLDAPKLAGIQEFQDKRSKPTDIFAIGFEEMVELNAGNIVSASTTNQKLWAVELQKTISRDNKYVLLAS  
EQLVGVCLFVFI RPQHAPFIRDVAVDTVKTGMGGATGNKGAVAIRMLFHTTSLCFVCSHF AAGQSQVKER  
NEDFIEIARKLSFPMGRMLFSDYVFWCGDFNYRIDLPNEEVKELIRQQNWDSL IAGDQLINQKNAGQVF  
RGFLEGKVTFAPTYKYDLFSDDYDTSEKCRTPAWTDRVLWRRRKWPFDRSAEDLDDLNASFQDESKILYT  
WTPGTLHYGRAELKTS DHRPVVALIDIDIFEVAEERQNIYKEVIAVQGPDPGTVLVSIKSSLPENNF  
DDALIDELLQQFASFGEVILIRFVEDKMVWTFLEGSSALNVLSLNGKELLNRTITIALKSPDWIKNLEEE  
MSLEKISIALPSSTSSTLLGEDAEVAADFMEGDVDDYSAEVEELLPQHLQPSSSSGLTSPSSSPRTSP  
CQSP TISEGPVPSLPIRPSRAPSRTPGPPSAQSSPIDAQPATPLPQKDPAPLEPKRPPPPRPVAPTRP  
APPQRPPPPSGARSPAPTRKEFGAPKSPGTRKDNIGRSQPSQAGLAGPGPAGYSTARPTIPPRAGVIS  
APQSHARASAGRLTPESQSKTSETSKGSTFLPEPLKPQAAFPQSSLPQAQRLQEPLVPVAAMPQSGP  
QPNLETPPQPPPRSRSSHSLPSEASSQPQQEQPSG

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

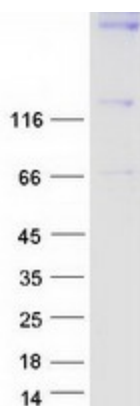
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method



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<b>Labeling Method:</b>	Labeled with [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>4</sub> ]-L-Arginine and [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>2</sub> ]-L-Lysine
<b>Buffer:</b>	25 mM Tris-HCl, 100 mM glycine, pH 7.3
<b>Storage:</b>	Store at -80°C. Avoid repeated freeze-thaw cycles.
<b>Stability:</b>	Stable for 3 months from receipt of products under proper storage and handling conditions.
<b>RefSeq:</b>	<a href="#">NP_982271</a>
<b>RefSeq Size:</b>	7039
<b>RefSeq ORF:</b>	3885
<b>Synonyms:</b>	DEE53; EIEE53; INPP5G; PARK20
<b>Locus ID:</b>	8867
<b>UniProt ID:</b>	<a href="#">O43426</a> , <a href="#">C9JFZ1</a> , <a href="#">Q05CZ1</a>
<b>Cytogenetics:</b>	21q22.11
<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]).