

Product datasheet for TP321273

Synapsin I (SYN1) (NM_006950) Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins

Description: Recombinant protein of human synapsin I (SYN1), transcript variant Ia, 20 µg

Species: Human

Expression Host: HEK293T

Expression cDNA Clone or AA Sequence: >RC221273 representing NM_006950

Red=Cloning site Green=Tags(s)

MNYLRRRLSDSNFMANLPNGYMTDLQRPQPPPPPPGAHSPGATPGPGTATAERSSGVAPAASPAAPSPGS
SGGGGFFSSLSNAVKQTAAAAAATFSEQVGGGSGGAGRGGGAASRVLLVIDEPHTDWAKYFKGKKIHGEID
IKVEQAEFSDLNLVAHANGGFSVDMEVLRNGVKVVRSLKPDFVLRQHAFSMARNGDYRSLVIGLQYAGI
PSVNSLHSVNFCDKPWFVFAQMVR LHKKLGTEEFPLIDQTFYPNHKEMLSSTYPVVKMGHAHSGMGKV
KVDNQHDFQDIASVVALTKTYATAEPFIDAKYDVRVQKIGQNYKAYMRTSVSGNWKNTG SAMLEQIAMS
DRYKLWVDTCEIFGGLDICA VEALHGKDGRDHIIIEVVGSSMPLIGDHQDEDKQLLIVLVNKMAQALPR
QRQRDASPRGRSHGQTPSPGALPLGRQTSQQPAGPPAQQRPPPQGGPPQPGPGPQRQGPPLQQRPPPQGG
QHLSGLGPPAGSPLPQLPSPTSAPQQPASQAAPPTQGQGRQSRPVAGGPGAPPAARPPASPSQRQAGP
PQATRQTSVSGPAPPKASGAPPGGQQRQGGPPQKPPGPAGPTRQASQAGVPVPTGPPTTQQPRPSGPGPAG
RPKPQLAQKPSQDVPPPATAAAGGPPHPQLNKSQSLTNAFNLPEPAPPRP SLSQDEVKAETIRSLRKSFA
SLFSD

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-Myc/DDK

Predicted MW: 73.9 kDa

Concentration: >0.05 µg/µL as determined by microplate BCA method

Purity: > 80% as determined by SDS-PAGE and Coomassie blue staining

Buffer: 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol

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.

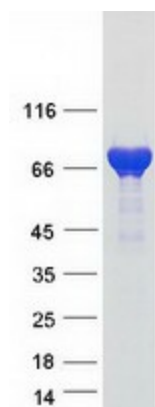
Storage: Store at -80°C.



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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:	<u>NP_008881</u>
Locus ID:	6853
UniProt ID:	<u>P17600</u>
RefSeq Size:	2248
Cytogenetics:	Xp11.3-p11.23
RefSeq ORF:	2115
Synonyms:	EPILX; MRX50; SYN1a; SYN1b; SYN1
Summary:	This gene is a member of the synapsin gene family. Synapsins encode neuronal phosphoproteins which associate with the cytoplasmic surface of synaptic vesicles. Family members are characterized by common protein domains, and they are implicated in synaptogenesis and the modulation of neurotransmitter release, suggesting a potential role in several neuropsychiatric diseases. This member of the synapsin family plays a role in regulation of axonogenesis and synaptogenesis. The protein encoded serves as a substrate for several different protein kinases and phosphorylation may function in the regulation of this protein in the nerve terminal. Mutations in this gene may be associated with X-linked disorders with primary neuronal degeneration such as Rett syndrome. Alternatively spliced transcript variants encoding different isoforms have been identified. [provided by RefSeq, Jul 2008]

Product images:



Coomassie blue staining of purified SYN1 protein (Cat# TP321273). The protein was produced from HEK293T cells transfected with SYN1 cDNA clone (Cat# [RC221273]) using MegaTran 2.0 (Cat# [TT210002]).