

Recombinant Human SYN1 Protein, GST-tagged

Cat. No. SYN1-1380H **Lot. No.** (See product label)

SPECIFICATION

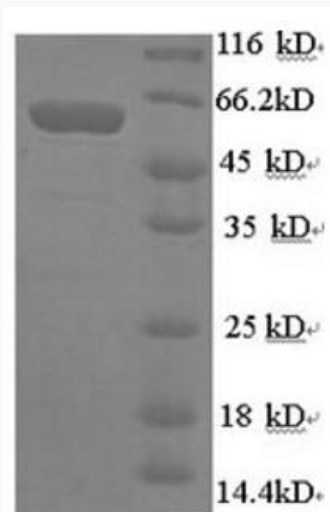
Product Overview	Recombinant Human SYN1 Protein (113-420aa) was expressed in E. coli with N-terminal GST tag.
Species	Human
Source	E.coli
ProteinLength	113-420 a.a.
Description	This gene is a member of the synapsin gene family. Synapsins encode neuronal phosphoproteins which associate with the cytoplasmic 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.
Form	Tris-based buffer, 50% glycerol.
Molecular Mass	61.6 kDa

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AA Sequence	SRVLLVIDEPHTDWAKYFKGKKIHGEIDIKVEQAEFSDLNLVAHANGGFSVDMEVLR NGVKVVRSLKPDFVLIRQHAFSMARNGDYRSLVIGLQYAGIPSVNSLHSVYNFCDKP WVFAQMVRLHKKLGTTEEFPLIDQTFYPNHKEMLSSTTPVVVKMGHAHSGMGKVK VDNQHDFQDIASVVALTKTYATAEPFIDAKYDVRVQKIGQNYKAYMRTSVSGNWKT NTGSAMLEQIAMSDRYKLWVDTCS EIFGGLDICA VEALHGKDGRDHIIEVVGSSMPLI GDHQDEDKQLIVELVVKMAQALPR
Purity	Greater than 90% as determined by SDS-PAGE.
Storage	The shelf life of liquid form is 6 months at -20 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade.
GENE INFORMATION	
Gene Name	SYN1 synapsin I [Homo sapiens (human)]
Official Symbol	SYN1
Synonyms	SYNI; SYN1a; SYN1b
Gene ID	6853
mRNA Refseq	NM_006950.3
Protein Refseq	NP_008881.2
MIM	313440
UniProt ID	P17600



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