

## Product datasheet for **TP300562**

### Synaptogyrin 1 (SYNGR1) (NM\_145731) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human synaptogyrin 1 (SYNGR1), transcript variant 1b, 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC200562 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)
	MEGGAYGAGKAGGAFDPYTLVRQPHTILRVSWLFSIVVFGSIVNEGYLNSASEGEEFCIYNRNPACSY GVAVGVLAFLTCLLYLALDVYFPQISSVKDRKKAVLSDIGVSAFWAFLWFGFCYLANQWQVSKPKDNPL NEGTDAAARAAIAFFSIFTWSLTAALAVRRFKDLSFQEEYSTLFPASAQP
	<b>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</b>
Tag:	C-Myc/DDK
Predicted MW:	20.9 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.
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:	<a href="#">NP_663783</a>
Locus ID:	9145
UniProt ID:	<a href="#">O43759</a>
RefSeq Size:	1341



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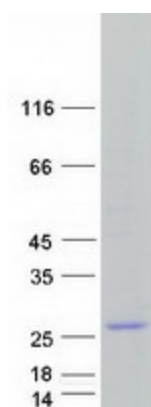
Cytogenetics: 22q13.1

RefSeq ORF: 573

**Summary:** This gene encodes an integral membrane protein associated with presynaptic vesicles in neuronal cells. The exact function of this protein is unclear, but studies of a similar murine protein suggest that it functions in synaptic plasticity without being required for synaptic transmission. The gene product belongs to the synaptogyrin gene family. Three alternatively spliced variants encoding three different isoforms have been identified. [provided by RefSeq, Jul 2008]

**Protein Families:** Transmembrane

### Product images:



Coomassie blue staining of purified SYNGR1 protein (Cat# TP300562). The protein was produced from HEK293T cells transfected with SYNGR1 cDNA clone (Cat# [RC200562]) using MegaTran 2.0 (Cat# [TT210002]).