

Product datasheet for PH300562

Synaptogyrin 1 (SYNGR1) (NM_145731) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	SYNGR1 MS Standard C13 and N15-labeled recombinant protein (NP_663783)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC200562
Predicted MW:	21 kDa
Protein Sequence:	>RC200562 protein sequence Red =Cloning site Green =Tags(s) MEGGAYGAGKAGGAFDPYTLVRQPHTILRVVSWLFSIVVFGSIVNEGYLNSASEGEEFCIYNRNPACSY GVAVGVLAFLTCLLLYLALDVYFPQISSVKDRKKA VLSDIGVSAFWAFLWVVGFCYLANQWQVSKPKDNPL NEGTAARAIIAFSFFSIFTWSLTAALAVRRFKDLSFQEEYSTLFPASAQP 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
Labeling Method:	Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_663783
RefSeq Size:	1341
RefSeq ORF:	573
Locus ID:	9145
UniProt ID:	O43759
Cytogenetics:	22q13.1



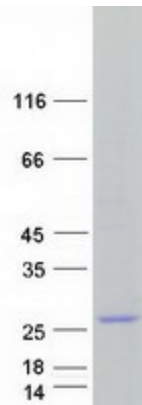
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Summary:

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]).