

Recombinant Full Length Human SYP Protein

Cat. No. SYP-513HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human Synaptophysin with N terminal proprietary tag; predicted MWt 60.54 kDa inclusive of tag. AAH64550.1
Species	Human
Source	In Vitro Cell Free System
ProteinLength	313 amino acids
Description	This gene encodes an integral membrane protein of small synaptic vesicles in brain and endocrine cells. The protein also binds cholesterol and is thought to direct targeting of vesicle-associated membrane protein 2 (synaptobrevin) to intracellular compartments. Mutations in this gene are associated with X-linked mental retardation (XLMR).
Form	Liquid
Molecular Mass	60.540kDa inclusive of tags
AA Sequence	MLLADMDVVNQLVAGGQFRVVKEPLGFVKVLQWVFAI FAFATCGSYSGELQLNVD CANKTESDLSIEVEFEYPFRLH QVYFDAPTCRGGTTKVFLVGDYSSSAEFFVTVAVF AFLYS MGALATYIFLQNKYRENNKGPMFLDFAVFAFMWLVSSS AWAKGLSDVK MATDPENIIKEMPVCRQTGNTCKELRDLVT SGLNTSVVFGFLNLVLWVGNLWVFK ETGWAAPFLRAPPG APEKQPAPGDAGYGGQGGYGPQDSYGPQGGYQPD Y GQPAGSGSGSYGPQGDYGGQGYGPQGAPTSFSNQM

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Purity	Proprietary Purification
Storage	Shipped on dry ice. Upon delivery aliquot and store at -80 centigrade. Avoid freeze / thaw cycles.
Storage Buffer	pH: 8.00. Constituents:0.79% Tris HCl, 0.31% Glutathione.

GENE INFORMATION

Gene Name	SYP synaptophysin [Homo sapiens]
Official Symbol	SYP
Synonyms	SYP; synaptophysin
Gene ID	6855
mRNA Refseq	NM_003179
Protein Refseq	NP_003170
MIM	313475
UniProt ID	P08247

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