

Recombinant Full Length Human SYP Protein

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

SPECIFICATION

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|-------------------------|--|
| 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 | 60.54kDa inclusive of tags |
| AA Sequence | MLLLADMDVVNQLVAGGQFRVVKEPLGFVKVLQWVFAI FAFATCGSYSGELQLNVD CANKTESDLSIEVEFEYPFRLH QVYFDAPTCRGGTTKVFLVGDYSSSAEFFVTVAVF AFLYS MGALATYIFLQNKYRENNKGPMLDFLATAVFAFMWLVSSS AWAKGLSDVK MATDPENIIKEMPVCRQTGNTCKELRDLVT SGLNTSVVFGFLNLVLWVGNLWFVFK ETGWAAPFLRAPPG APEKQPAPGDAGYGDAGYGGQGGYGPQDSYGPQGGYQPD Y GQPAGSGSGYGPQGDYGGQGYGPQGAPTSFSNQM |

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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

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|------------------------|------------------------------------|
| 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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