

## Recombinant Human SYP Protein, His-tagged

Cat. No. SYP-2747H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human SYP Protein (Glu50-Phe106) with a N-His tag was expressed in E. coli.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	Glu50-Phe106
<b>Description</b>	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 an X-linked form of cognitive disability.
<b>Form</b>	Freeze-dried powder
<b>Molecular Mass</b>	Predicted Molecular Mass: 10.1 kDa Accurate Molecular Mass: 13 kDa
<b>Endotoxin</b>	<1.0 EU per 1g (determined by the LAL method).
<b>Purity</b>	> 95%
<b>Applications</b>	Positive Control; Immunogen; SDS-PAGE; WB.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

<b>Stability</b>	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
<b>Storage</b>	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
<b>Storage Buffer</b>	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
<b>Reconstitution</b>	Reconstitute in PBS or others.

## GENE INFORMATION

<b>Gene Name</b>	SYP synaptophysin [ Homo sapiens (human) ]
<b>Official Symbol</b>	SYP
<b>Synonyms</b>	SYP; synaptophysin; major synaptic vesicle protein P38; MRXSYP;
<b>Gene ID</b>	6855
<b>mRNA Refseq</b>	NM_003179
<b>Protein Refseq</b>	NP_003170
<b>MIM</b>	313475
<b>UniProt ID</b>	P08247

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