

Recombinant Human SYP Protein, His-tagged

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

SPECIFICATION

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

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Stability	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.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in PBS or others.
GENE INFORMATION	
Gene Name	SYP synaptophysin [Homo sapiens (human)]
Official Symbol	SYP
Synonyms	SYP; synaptophysin; major synaptic vesicle protein P38; MRXSYP;
Gene ID	6855
mRNA Refseq	NM_003179
Protein Refseq	NP_003170
MIM	313475
UniProt ID	P08247

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