Recombinant Human SYT5, His-tagged

Cat. No. SYT5-31493TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment, corresponding to amino acids 152-386 of Human Synaptotagmin V with N terminal His tag. MWt: ~28kDa,
Species	Human
Source	E.coli
ProteinLength	152-386 a.a.
Description	Synaptotagmins, such as SYT5, are a family of type III membrane proteins characterized by cytoplasmic repeats related to protein kinase C (see MIM 176960) regulatory (C2) domains, which are thought to bind calcium.
Conjugation	HIS
Form	Lyophilised:Reconstitute with 96 µl aqua dest.
Storage buffer	Preservative: NoneConstituents: 0.5% Trehalose, 6M Urea, 100mM Sodium phosphate, 10mM Sodium chloride, pH 4.5
Storage	Shipped at 4°C. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequences of amino acids	LLPDKRRRYETKVHRQTLNPHFGETFAFKVPYVELGGRVL VMAVYDFDRFSRNDAI GEVRVPMSSVDLGRPVQAWREL QAAPREEQEKLGDICFSLRYVPTAGKLTVIVLEA KNLK KMDVGGLSDPYVKVHLLQGGKKVRKKKTTIKKNTLNPY YNEAFSFEVPCDQ

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	VQKVQVELTVLDYDKLGKNEAIGRVAVGAAAGGAGLRHWADMLANPRRPIAQWHS LRPPDRVRLL PAP(Amino acid sequence (Sequence determined by 5 Sequencing))
Sequence Similarities	Belongs to the synaptotagmin family.Contains 2 C2 domains.

GENE INFORMATION

Gene Name	SYT5 synaptotagmin V [Homo sapiens]
Official Symbol	SYT5
Synonyms	SYT5; synaptotagmin V; synaptotagmin-5; synaptotagmin 5;
Gene ID	6861
mRNA Refseq	NM_003180
Protein Refseq	NP_003171
MIM	600782
Uniprot ID	O00445
Chromosome Location	19q
Pathway	Integration of energy metabolism, organism-specific biosystem; Metabolism, organism-specific biosystem; Regulation of Insulin Secretion, organism-specific biosystem;
Function	metal ion binding; transporter activity;

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