

Recombinant Human SYT5

Catalog No: #GP10793



Package Size: #GP10793-1 100ug

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Description

Product Name	Recombinant Human SYT5
Brief Description	Recombinant Protein
Immunogen Description	Fusion protein corresponding to a region derived from 46-200 amino acids of human synaptotagmin V
Target Name	Synaptotagmin V
Accession No.	Swissprot:O00445Gene Accession:BC046157
Uniprot	O00445
GeneID	6861;
Storage	-20~-80°C, pH 7.6 PBS

Background

Synaptotagmins, such as SYT5, are a family of type III membrane proteins characterized by cytoplasmic repeats related to protein kinase C regulatory (C2) domains, which are thought to bind calcium. Synaptotagmins may act both as negative regulators of vesicle fusion, allowing fusion in the presence of calcium, and as calcium receptors or sensor molecules. May be involved in Ca²⁺-dependent exocytosis of secretory vesicles through Ca²⁺ and phospholipid binding to the C2 domain or may serve as Ca²⁺ sensors in the process of vesicular trafficking and exocytosis. Regulates the Ca²⁺-dependent secretion of norepinephrine in PC12 cells. Required for export from the endocytic recycling compartment to the cell surface.

References

Note: For in vitro research use only, not for diagnostic or therapeutic use. This product is not a medical device.

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