

## YT5 抗原（重组蛋白）

中文名称： YT5 抗原（重组蛋白）

英文名称： SYT5 Antigen (Recombinant Protein)

储 存： 冷冻（-20℃）

相关类别： 抗原

概述

Fusion protein corresponding to a region derived from 46-200 amino acids of human SYT5

技术规格

<b>Full name:</b>	Synaptotagmin V
<b>Swissprot:</b>	O00445
<b>Gene Accession:</b>	BC046157
<b>Purity:</b>	>85%, as determined by Coomassie blue stained SDS-PAGE
<b>Expression system:</b>	Escherichia coli
<b>Tags:</b>	His tag C-Terminus, GST tag N-Terminus
<b>Background:</b>	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 Ca <sup>2+</sup> -dependent exocytosis of secretory vesicles through Ca <sup>2+</sup> and phospholipid binding to the C2 domain or may serve as Ca <sup>2+</sup> sensors in the process of vesicular trafficking and exocytosis. Regulates the Ca <sup>2+</sup> -dependent secretion of norepinephrine in PC12 cells. Required for export from the endocytic recycling compartment to the cell surface.