

32-5020: Recombinant Human Synaptotagmin V

Alternative Name : Synaptotagmin V, Synaptotagmin 5, synaptotagmin-5, sytV, SytV.

Description

Source : Escherichia Coli. SYT5 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 301 amino acids (109-386aa) and having a molecular mass of 33.6kDa. SYT5 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. Synaptotagmin V, (SYT5) is a member of synaptotagmin family, which is a family of type III membrane proteins characterized by cytoplasmic repeats related to protein kinase C regulatory (C2) domains that are considered to bind calcium. Synaptotagmins function as negative regulators of vesicle fusion, allowing fusion in the attendance of calcium, and as calcium receptors or sensor molecules. Among the diseases associated with SYT5 are labyrinthitis, and thyroiditis.

Product Info

Amount :	10 µg
Purification :	Greater than 90.0% as determined by SDS-PAGE.
Content :	SYT5 protein solution (0.25mg/ml) containing 20mM Tris-HCl(pH 8.0) containing 40% glycerol, 0.2M NaCl and 2mM DTT.
Storage condition :	Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.
Amino Acid :	MGSSHHHHH SSGLVPRGSH MGSGLRLQYS LDYDFQSGQL LVGILQAMGL AALDLGGSSD PYVRVYLLPD KRRRYETKVH RQTLNPHFGE TFAFKVPYVE LGGRVLVMAV YDFDRFSRND AIGEVVPMS SVDLGRPVA WRELQAAPRE EQEKLGDICF SLRYVPTAGK LTVIVLEAKN LKKMDVGGLS DPYVKVHLLQ GGKKVRKKKT TIKKNTLNPY YNEAFSFEVP CDQVQKVQVE LTVLDYDKLG KNEAIGRVAV GAAAGGAGLR HWADMLANPR RPIAQWHSR PPDRVRLPA P

