

Synaptotagmin XIII Human Recombinant

Item Number	rAP-4890
Synonyms	Synaptotagmin XIII, KIAA1427, synaptotagmin-13, sytXIII.
Description	SYT13 Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 420 amino acids (30-426) and having a molecular mass of 46.5kDa. SYT13 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.
Uniprot Accession Number	Q7L8C5
Amino Acid Sequence	MGSSHHHHHH SSGLVPRGSH MGSCRHMHPK KGLLPRDQDP DLEKAKPSLL GSAQQFNVKK STEPVQPRAL LKFPDIYGPR PAVTAPEVIN YADYSLRSTE EPTAPASPQP PNDSRLKRQV TEELFILPQN GVVEDVCVME TWNPEKAASW NQAPKLHYCL DYDCQKAELF VTRLEAVTSN HDGGCDCYVQ GSVANRTGSV EAQTALKKRQ LHTTWEEGLV LPLAEEELPT ATLTLRLRTC DRFSRHSVAG ELRLGLD- GTS VPLGAAQWGE LKTSAKEPSA GAGEVLLSIS YLPAANRLLV VLIKAKNLHS NQSKELGKD VSVKVTLKHQ ARKLKKKQTK RAKHKINPVW NEMIMFELPD DLLQASSVEL EVLGQDDSGQ SCALGH-
Source	Escherichia Coli.
Physical Appearance and Stability	Sterile Filtered clear solution. 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.
Formulation and Purity	The SYT13 solution (0.25mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.15M NaCl, 1mM DTT, 1mM PMSF, 1mM EDTA and 20% glycerol. Greater than 85% as determined by SDS-PAGE.
Application	
Solubility	
Biological Activity	
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**