

## 32-5021: Recombinant Human Synaptotagmin XIII

**Alternative Name :** Synaptotagmin XIII,KIAA1427,synaptotagmin-13,sytXIII.

### Description

Source : Escherichia Coli. 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. SYT13 belongs to the great synaptotagmin protein family which contain 2 domains: cytoplasmic C terminus with two tandem C2 domains (C2A and C2B) and extracellular N-terminal transmembrane domain. Synaptotogmin family members have dissimilar biochemical properties and developmental profiles, and patterns of tissue distribution. Additionally, Synaptotogmins formulate homo- and heteromeric complexes with each other. Synaptotagmins operate as membrane traffickers in multicellular organisms.

### Product Info

<b>Amount :</b>	20 µg
<b>Purification :</b>	Greater than 85% as determined by SDS-PAGE.
<b>Content :</b>	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.
<b>Storage condition :</b>	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.
<b>Amino Acid :</b>	MGSSHHHHHH SSGLVPRGSH MGSCRHMHPK KGLLPRDQDP DLEKAKPSLL GSAQQFNVKK STEPVQPRAL LKFPDIYGPR PAVTAPEVIN YADYSLRSTE EPTAPASPQP PNDSRLKRQV TEELFILPQN GVVEDVCVME TWNPEKAASW NQAPKLHYCL DYDCQKAELF VTRLEAVTSN HDGGCDCYVQ GSVANRTGSV EAQTALKKRQ LHTTWEEGLV LPLAEEELPT ATLTTLRLTC DRFSRHSVAG ELRLGLDGTS VPLGAAQWGE LKTSAKEPSA GAGEVLLSIS YLPAANRLLV VLIKAKNLHS NQSKELGKD VSVKVTLKHQ ARKLKKKQTK RAKHKINPVW NEMIMFELPD DLLQASSVEL EVLGQDDSGQ SCALGHCSLG LHTSGSERSH WEEMLNPRR QIAMWHQLHL

