

## Product datasheet for **TP310849**

### **SYT13 (NM\_020826) Human Recombinant Protein**

#### **Product data:**

**Product Type:** Recombinant Proteins

**Description:** Recombinant protein of human synaptotagmin XIII (SYT13), 20 µg

**Species:** Human

**Expression Host:** HEK293T

**Expression cDNA Clone or AA Sequence:** >RC210849 protein sequence  
**Red**=Cloning site **Green**=Tags(s)

MVLSVPVIALGATLGTATSILALCGVTCLCRHMHPPKGLLPDQDPDLEKAKPSLLGSAQQFNVKKSTEP  
VQPRALLKFPDIYGPRPAVTAPEVINYADYSLRSTEEPTAPASPQPPNDSRLKRQVTEELFILPQNGVVE  
DVCVMETWNPEKAASWNQAPKLHYCLDYDCQKAELFVTRLEAVTSNHDGGDCYVQGSVANRTGSVEA  
QT  
ALKKRQLHTTWEEGLVPLAEEELPTATLTTLRTCDRFSRHSVAGELRLGLDGTSPVPLGAAQWGELKTS  
AKEPSAGAGEVLLSISYLPAA NRLLVLIKAKNLHSNQSKELLGKDVSVKVT LKHQARKLKKKQTKRAKH  
KINPVWNEMIMFELPDDLLQASSVELEVLGQDDSGQSCALGHCSLGLHTSGSERSHWEEMLNPRRQIA  
M  
WHQLHL

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

**Tag:** C-Myc/DDK

**Predicted MW:** 46.7 kDa

**Concentration:** >0.05 µg/µL as determined by microplate BCA method

**Purity:** > 80% as determined by SDS-PAGE and Coomassie blue staining

**Buffer:** 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol

**Preparation:** Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.

**Note:** For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.

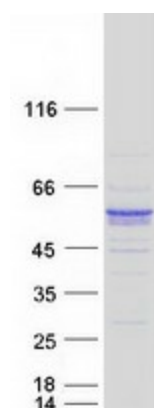
**Storage:** Store at -80°C.



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<b>Stability:</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>RefSeq:</b>	<a href="#">NP_065877</a>
<b>Locus ID:</b>	57586
<b>UniProt ID:</b>	<a href="#">Q7L8C5</a>
<b>RefSeq Size:</b>	5184
<b>Cytogenetics:</b>	11p11.2
<b>RefSeq ORF:</b>	1278
<b>Summary:</b>	This gene encodes a member of the large synaptotagmin protein family. Family members have an extracellular N-terminal transmembrane domain and a cytoplasmic C terminus with two tandem C2 domains (C2A and C2B). Synaptotogmin family members can form homo- and heteromeric complexes with each other. They also have different biochemical properties and developmental profiles, and patterns of tissue distribution. Synaptotagmins function as membrane traffickers in multicellular organisms. Two alternatively spliced transcript variants that encode different protein isoforms have been described for this gene. [provided by RefSeq, Oct 2011]
<b>Protein Families:</b>	Transmembrane

## Product images:



Coomassie blue staining of purified SYT13 protein (Cat# TP310849). The protein was produced from HEK293T cells transfected with SYT13 cDNA clone (Cat# [RC210849]) using MegaTran 2.0 (Cat# [TT210002]).