

## Product datasheet for **TP326544M**

### **SYT2 (NM\_001136504) Human Recombinant Protein**

#### Product data:

**Product Type:** Recombinant Proteins  
**Description:** Recombinant protein of human synaptotagmin II (SYT2), transcript variant 2, 100 µg  
**Species:** Human  
**Expression Host:** HEK293T  
**Expression cDNA** >RC226544 protein sequence  
**Clone or AA Sequence:** **Red**=Cloning site **Green**=Tags(s)

MRNIFKRNQEPIVAPATTTATMPIGPVDNSTESGGAGESQEDMFAKLKEKLFNEINKIPLPPWALIAIAV  
VAGLLLLTCCFCICKKCCCKKKKKNKKEKGGKGMKNAMNMKDMKGGQDDDDAETGLTEGEGEGEEKEPENL  
GKLQFSLDYDFQANQLTVGVLQAELPALDMGGTSDPYVKVFLLPDKKKKYETKVHRKTLNPAFNETFTF  
KVPYQELGGKTLVMAIYDFDRFSKHDIIGEVKVPMTVDLQPIEEWRDLQGGEEKEPEKLGDICTSLRY  
VPTAGKLTVCILEAKNLKMDVGGLSDPYVKIHLMQNGKRLKTKKTTVKKKTLNPFNFESFSFEIPFEQI  
QKVQVVTVLDYDKLGKNEAIGKIFVGSNATGTELRHWSMMLANPRRPIAQWHSKPEEEVDALLGKNK

**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.  
**Stability:** Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.  
**RefSeq:** [NP\\_001129976](#)  
**Locus ID:** 127833



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UniProt ID: [Q8N9I0](#)

RefSeq Size: 7614

Cytogenetics: 1q32.1

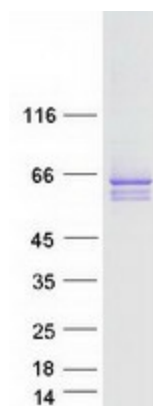
RefSeq ORF: 1257

Synonyms: CMS7; MYSPC; SytII

**Summary:** This gene encodes a synaptic vesicle membrane protein. The encoded protein is thought to function as a calcium sensor in vesicular trafficking and exocytosis. Mutations in this gene are associated with myasthenic syndrome, presynaptic, congenital, with or without motor neuropathy. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Oct 2014]

**Protein Families:** Secreted Protein, Transmembrane

### Product images:



Coomassie blue staining of purified SYT2 protein (Cat# [TP326544]). The protein was produced from HEK293T cells transfected with SYT2 cDNA clone (Cat# [RC226544]) using MegaTran 2.0 (Cat# [TT210002]).