

Product datasheet for **TP308146M**

Synaptotagmin VI (SYT6) (NM_205848) Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins

Description: Recombinant protein of human synaptotagmin VI (SYT6), 100 µg

Species: Human

Expression Host: HEK293T

Expression cDNA Clone or AA Sequence: >RC208146 protein sequence
Red=Cloning site **Green**=Tags(s)

MPWRNKEASSPSSANPPLEALQSPSFRGNMADKCLKDPSTLGFLEAAVKISHTSPDIPAEVQMSVKEHIMR
HTRLQRQTTEPASSTRHTSFKRHLPRQMHVSSVDYGNELPPAAEQPTSIGRIKPELYKQKSVDGEDAKSE
ATKSCGKINFSRLRYDYETETLIVRILKAFDLPKDFCGSSDPYVKIYLLPDRCKLQTRVHRKTLNPTFD
ENFHFPVPYEELADRKLHLSVDFDRFSRHMIGEVILDNLFEASDLSRETSIWKDIQYATSESVDLGEI
MFSLCYLPTAGRLTLTVIKCRNLKAMDITGYSDPYVKVSLLCDGRRLLKKKTTIKKNTLNPVYNEAIIIFD
IPPENMDQVSLISVMDYDRVGHNEIIGVCRVGITAEGLRDHWNEMLAYPRKPIAHWHSLVEVKKSFKE
GNPRL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-Myc/DDK

Predicted MW: 48.3 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_995320](#)



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Locus ID: 148281

UniProt ID: [Q5T7P8](#), [I6L9C3](#)

RefSeq Size: 4357

Cytogenetics: 1p13.2

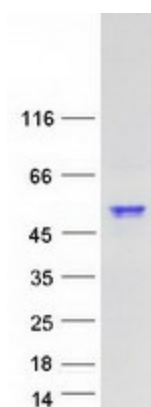
RefSeq ORF: 1275

Synonyms: sytVI

Summary: The protein encoded by this gene belongs to the synaptotagmin family. Synaptotagmins share a common domain structure that includes a transmembrane domain and a cytoplasmic region composed of 2 C2 domains, and are involved in calcium-dependent exocytosis of synaptic vesicles. This protein has been shown to be a key component of the secretory machinery involved in acrosomal exocytosis. Alternatively spliced transcript variants have been found for this gene. [provided by RefSeq, Dec 2011]

Protein Families: Secreted Protein, Transmembrane

Product images:



Coomassie blue staining of purified SYT6 protein (Cat# [TP308146]). The protein was produced from HEK293T cells transfected with SYT6 cDNA clone (Cat# [RC208146]) using MegaTran 2.0 (Cat# [TT210002]).