

## Product datasheet for **TP308528**

### Synaptotagmin V (SYT5) (NM\_003180) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human synaptotagmin V (SYT5), 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC208528 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)

MFPEPTPGPPSPDTPPDSSRISHGVPVPPWALATIVLVSGLLIFSCCFLYRKSCRRTGKKSQAQAQVH  
LQEVKGLGQSYIDKVKQPEVEELEPAPSGPGQQVADKHELGLQYSLDYDFQSGQLLVGILQAMGLAALDL  
GGSSDPYVRVYLLPDKRRRYETKVHRQTLNPHFGETFAFKVPYVELGGRVLMMAVYDFDRFSRNDIAGEV  
RVPMSVDLGRPVAWRELQAAPREEQKLGDICFSRLRYPTAGKLTIVILEAKNLKMDVGGGLSDPYVK  
VHLLQGGKKVRKKKTTIKNLTNPYYNEAFSFEVPCDQVQKVVELTVLDYDKLGKNEAIGRVAVGAAAG  
GAGLRHWADMLANPRRPIAQWHSLRPPDRVRLLPAP

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Predicted MW:	42.7 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:	<u><a href="#">NP_003171</a></u>
Locus ID:	6861



[View online »](#)

UniProt ID: [O00445](#), [A0A024R4N8](#)

RefSeq Size: 1853

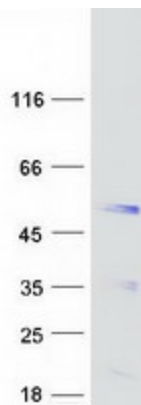
Cytogenetics: 11p

RefSeq ORF: 1158

**Summary:** Synaptotagmins, such as SYT5, are a family of type III membrane proteins characterized by cytoplasmic repeats related to protein kinase C (see MIM 176960) regulatory (C2) domains, which are thought to bind calcium. Synaptotagmins may act both as negative regulators of vesicle fusion, allowing fusion in the presence of calcium, and as calcium receptors or sensor molecules (summary by Hudson and Birnbaum, 1995 [PubMed 7597049]).[supplied by OMIM, Feb 2011]

**Protein Families:** Secreted Protein, Transmembrane

### Product images:



Coomassie blue staining of purified SYT5 protein (Cat# TP308528). The protein was produced from HEK293T cells transfected with SYT5 cDNA clone (Cat# [RC208528]) using MegaTran 2.0 (Cat# [TT210002]).