

## Product datasheet for TP516891

### Syt12 (NM\_001040085) Mouse Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse synaptotagmin-like 2 (Syt12), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR216891 representing NM_001040085 <b>Red</b> =Cloning site <b>Green</b> =Tags(s)

MIDLSFLTEEEQDAILKVLQRDAALKRAEEERVRHLPEKIKDDQQLKNMSGQWFYEAKAKRHRDKIHGAD  
IIRASMRKKLPAAAEQNKDTAMRAKESWVNNVKNDAVLPPEIAVVEEPEDDTPAGPSSSLVDPASSVI  
DMSQESTRTPAVSLPKQRKNPFNSPKLPEDHSLQQTKEQSKTGKAGLFQISKEGELSESKEKSSIPDMP  
RQQLKPKQTVSTEPENASHTKAPIPKARKLIYKSNLEKDDNQSFPRQRDSL NARGAPRGILKRNSSS  
SSTDSETLRLNLDPKSKILSPGLTIHERISEKEFSLEDDSSSLEPLKHVRFSAVKNELPQSPRPVL  
GQEVGEFTVLESQDLQNGTEDAGDIEEFQNHPELSHKTPLSHYQLVSSPSDSGREREQLMSSGSAPRDEI  
PCHSDILPTGPQCVESSSVINGQQEKSSHFTKLPSELSKSPDELTCGGEPEPSQTADHSFRDHRQGSEE  
EHSPVLKTLERRAARKLPKSKLEIPSDSSNQAKVDNLPPELVSAEDVSTVPSLPDNQFSDHPDKLRMS  
KSVPAFLQDESDDRETDTASESSYQLRRYKSKPSSLNLSSSSGMTSLSSASGSVMSVYSGDFGNLEVKG  
SVQFALDYVESLKELVFVAQCKDLAAADVKKQRSDPYVKTYLLPDKGKMGKKKTLVVKKTLNVPVNEIL  
RYKIERQFLKTQKLNLSVWHRDTFKRNSFLGEVELDLETWDWDSKQNKQLKWYPLKRKTAPVALETENRG  
EMKLALQYVPEPSPGKKLPTTGEVHIWVKECLDLPLLRGSHLNSFVKCTILPDTSRKSRQKTRAVGKTTN  
PVFNHTMVYDGRFPEDLMEACVELTVWDHYKLTNQFLGGLRIGFGTGKSYGTEVDWMDSTSEEVALWEKM  
VNSPNTWVEATLPLRMLLIKLSK

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

Tag:	C-MYC/DDK
Predicted MW:	105.5 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



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<b>Note:</b>	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
<b>Storage:</b>	Store at -80°C after receiving vials.
<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_001035174</a>
<b>Locus ID:</b>	83671
<b>UniProt ID:</b>	<a href="#">Q99N50</a> , <a href="#">Q69ZF4</a> , <a href="#">Q7TMU6</a>
<b>RefSeq Size:</b>	3810
<b>Cytogenetics:</b>	7 E1
<b>RefSeq ORF:</b>	2802
<b>Synonyms:</b>	AI266830; mKIAA1597; Slp2
<b>Summary:</b>	Isoform 11 acts as a RAB27A effector protein and plays a role in cytotoxic granule exocytosis in lymphocytes. Required for cytotoxic granule docking at the immunologic synapse. Isoform 1 may play a role in melanosome transport and vesicle trafficking. It controls melanosome distribution in the cell periphery and regulates melanocyte morphology. Isoform 1 acts as a positive mediator of mucus secretion by the surface mucus cells of the stomach. Mediates basal mucus secretion by gastric surface cells by promoting the proper granule biogenesis and docking of mucus granules with the apical plasma membrane.[UniProtKB/Swiss-Prot Function]