

## Product datasheet for **TP304213M**

### Syntaxin 5A (STX5) (NM\_003164) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human syntaxin 5 (STX5), 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC204213 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)

MIPRKRYGSKNTDQGVYLGLSKTQVLSPATAGSSSSDIAPLPPVTLVPPPPDTMSCRDRTQEFLSACKS  
LQTRQNGIQTNKPALRAVRQRSEFTLMAKRIGKDLNNTFAKLEKLTILAKRKSDFDDKAVEIEELTYIIK  
QDINSLNKQIAQLQDFVRAKGSQSGRHLQTHSNTIVVSLQSKLASMSNDFKSVLEVRTENLKQQRSRREQ  
FSRAPVSALPLAPNHLGGGAVVLGAESHASKDVAIDMMDSRTSQQLQLIDEQDSYIQSRADTMQNIESTI  
VELGSIFQQLAHMVKEQEETIQRIDENVLGAQLDVEAAHSEILKYFQSVTSNRWLMVKIFLILIVFFIIF  
VVFLA

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Predicted MW:	39.5 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
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:	<a href="#">NP_003155</a>
Locus ID:	6811



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UniProt ID: [Q13190](#)

RefSeq Size: 1834

Cytogenetics: 11q12.3

RefSeq ORF: 1065

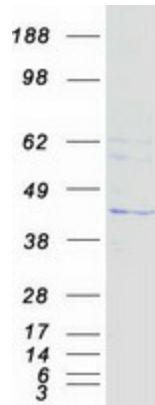
Synonyms: SED5; STX5A

**Summary:** This gene encodes a member of the syntaxin or t-SNARE (target-SNAP receptor) family. These proteins are found on cell membranes and serve as the targets for v-SNAREs (vesicle-SNAP receptors), permitting specific synaptic vesicle docking and fusion. The encoded protein regulates endoplasmic reticulum to Golgi transport and plays a critical role in autophagy. Autoantibodies targeting the encoded protein may be a diagnostic marker for endometriosis. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Sep 2011]

**Protein Families:** Druggable Genome, Transmembrane

**Protein Pathways:** SNARE interactions in vesicular transport

### Product images:



Coomassie blue staining of purified STX5 protein (Cat# [TP304213]). The protein was produced from HEK293T cells transfected with STX5 cDNA clone (Cat# [RC204213]) using MegaTran 2.0 (Cat# [TT210002]).