Recombinant Full Length Human STX5 Protein, C-Flag-tagged

Cat. No. STX5-1076HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human STX5 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
Description	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.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	39.5 kDa
AA Sequence	MIPRKRYGSKNTDQGVYLGLSKTQVLSPATAGSSSSDIAPLPPPVTLVPPPPDTMSC RDRTQEFLSACKS LQTRQNGIQTNKPALRAVRQRSEFTLMAKRIGKDLSNTFAKLE KLTILAKRKSLFDDKAVEIEELTYIIK QDINSLNKQIAQLQDFVRAKGSQSGRHLQTHS NTIVVSLQSKLASMSNDFKSVLEVRTENLKQQRSRREQ FSRAPVSALPLAPNHLGG GAVVLGAESHASKDVAIDMMDSRTSQQLQLIDEQDSYIQSRADTMQNIESTI VELGS IFQQLAHMVKEQEETIQRIDENVLGAQLDVEAAHSEILKYFQSVTSNRWLMVKIFLILI

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	VFFIIF VVFLATRTRPLEQKLISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Druggable Genome, Transmembrane
Protein Pathways	SNARE interactions in vesicular transport
Full Length	Full L.

GENE INFORMATION

Gene Name	STX5 syntaxin 5 [Homo sapiens (human)]
Official Symbol	STX5
Synonyms	SED5; STX5A
Gene ID	6811

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mRNA Refseq	NM_003164.5
Protein Refseq	NP_003155.2
MIM	603189
UniProt ID	Q13190

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