

Recombinant Human STX2

Cat. No. STX2-30658TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human Syntaxin 2 Isoform 1 with N-Terminal proprietary tag. Mol Wt 57.64 kDa inclusive of tag.
Species	Human
Source	Wheat Germ
ProteinLength	287 amino acids
Description	The product of this gene belongs to the syntaxin/epimorphin family of proteins. The syntaxins are a large protein family implicated in the targeting and fusion of intracellular transport vesicles. The product of this gene regulates epithelial-mesenchymal interactions and epithelial cell morphogenesis and activation. Alternatively spliced transcript variants encoding different isoforms have been identified.
Molecular Weight	57.640kDa inclusive of tags
Form	Liquid
Purity	Proprietary Purification
Storage buffer	pH: 8.00 Constituents: 0.3% Glutathione, 0.79% Tris HCl
Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw

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cycles.

Sequences of amino acids

MRDRLPDLTACRKNDDGDTVVVVEKDHFMDDFFHQVEEIR NSIDKITQYVEEVKKN
HSIILSAPNPEGKIKEELEDLNKE IKKTANKIRAKLKAIEQSFDQDESGNRTSVDLRIR
RTQHS VLSRKFEAMAEYNEAQTLFRERSKGRIQRQLEITGR TTT DDELEEMLESG
KPSIFTSDIISDSQITRQALNEIESRHKD IMKLETSIRELHEMFMDMAMFVETQGEMIN
NIERNVMNAT DYVEHAKEETKKAIKYQSKARRKLMFIICVIVLLVILGI ILATTLS

Sequence Similarities

Belongs to the syntaxin family.Contains 1 t-SNARE coiled-coil homology domain.

GENE INFORMATION

Gene Name [STX2 syntaxin 2 \[Homo sapiens \]](#)

Official Symbol [STX2](#)

Synonyms STX2; syntaxin 2; EPIM, epimorphin , STX2A, STX2B, STX2C; syntaxin-2; EPM;

Gene ID [2054](#)

mRNA Refseq [NM_001980](#)

Protein Refseq [NP_001971](#)

MIM [132350](#)

Uniprot ID [P32856](#)

Chromosome Location 12q24

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Pathway	Botulinum neurotoxicity, organism-specific biosystem; Neuronal System, organism-specific biosystem; Proteolytic cleavage of SNARE complex proteins, organism-specific biosystem; SNARE interactions in vesicular transport, organism-specific biosystem; SNARE interactions in vesicular transport, conserved biosystem;
Function	SNAP receptor activity; SNARE binding; calcium-dependent protein binding; protein binding;

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