

## Recombinant Human STX2

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

### SPECIFICATION

<b>Product Overview</b>	Recombinant full length Human Syntaxin 2 Isoform 1 with N-Terminal proprietary tag. Mol Wt 57.64 kDa inclusive of tag.
<b>Species</b>	Human
<b>Source</b>	Wheat Germ
<b>ProteinLength</b>	287 amino acids
<b>Description</b>	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.
<b>Molecular Weight</b>	57.640kDa inclusive of tags
<b>Form</b>	Liquid
<b>Purity</b>	Proprietary Purification
<b>Storage buffer</b>	pH: 8.00 Constituents: 0.3% Glutathione, 0.79% Tris HCl
<b>Storage</b>	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 VLSRKFVEAMAEYNEAQLFRERSKGRIQRQLEITGRITTT DDELEEMLESG  
 KPSIFTSDIISDSQITRQALNEIESRHKD IMKLETSIRELHEMFMDMAMFVETQGEMIN  
 NIERNVMNAT DYVEHAKEETKKAIKYQSKARRKLMFIIICVIVLLVILGI 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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