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: 8.00Constituents:0.3% Glutathione, 0.79% Tris HCl
Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

	cycles.
Sequences of amino acids	MRDRLPDLTACRKNDDGDTVVVVEKDHFMDDFFHQVEEIR NSIDKITQYVEEVKKN HSIILSAPNPEGKIKEELEDLNKE IKKTANKIRAKLKAIEQSFDQDESGNRTSVDLRIR RTQHS VLSRKFVEAMAEYNEAQTLFRERSKGRIQRQLEITGRTTT 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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