

Recombinant Human Syntaxin 2, His-tagged

Cat. No. STX2-6854H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human STX2 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.
Species	Human
Source	E.coli
ProteinLength	1-264aa
Description	STX2 belongs to the syntaxin/epimorphin family of proteins. Syntaxin family is cellular receptors for transport vesicles which participate in exocytosis in neutrophils. STX2 is a t-SNARE that localizes to the apical plasma membrane and intracellular vesicular structures.
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.1M NaCl, 50% glycerol, 1mM DTT.
Molecular Mass	33.6 kDa (289aa) confirmed by MALDI-TOF
AA Sequence	MGSSHHHHHH SSGLVPRGSH MGSHMMRDRL PDLTACRKND DGDTVVVVEK DHFMDDDFFHQ VEEIRNSIDK ITQYVEEVKK NHSIILSAPN PEGKIKEELE DLNKEIKKTA NKIRAKLKAI EQSFDQDESG NRTSVDLRIR RTQHSVLSRK FVEAMAEYNE AQTFRERSK GRIQRQLEIT GRTTTDDELE EMLESGKPSI FTSDIISDSQ ITRQALNEIE SRHKDIMKLE TSIRELHEMF MDMAMFVETQ GEMINNIERN VMNATDYVEH AKEETKKAIK YQSKARRKK

 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

Purity	>95% by SDS - PAGE
Applications	SDS-PAGE
Storage	Can be stored at 4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -75°C. Avoid repeated freezing and thawing cycles.
Concentration	0.25 mg/ml (determined by Bradford assay)
GENE INFORMATION	
Gene Name	STX2 syntaxin 2 [Homo sapiens]
Official Symbol	STX2
Synonyms	STX2; syntaxin 2; EPIM, epimorphin , STX2A, STX2B, STX2C; syntaxin-2; EPM; epimorphin; EPIM; STX2A; STX2B; STX2C; MGC51014;
Gene ID	2054
mRNA Refseq	NM_194356
Protein Refseq	NP_919337
MIM	132350
UniProt ID	P32856
Chromosome Location	12q24
Pathway	Botulinum neurotoxicity, organism-specific biosystem; Disease, organism-specific

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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; Synaptic vesicle cycle, organism-specific biosystem;

Function

SNAP receptor activity; SNARE binding; calcium-dependent protein binding; protein binding;

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