

STX2, 1-264aa, Human, His tag, E.coli

Cat.NO.: TP04078

3th Edition

Synonyms:Syntaxin-2, EPIM, EPM, STX2A, STX2B, STX2C

Description:Syntaxin-2, also known as 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. Also, STX2, along with SNAP-23, is required for regulated surfactant secretion. Recombinant human STX2 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

Form:Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.1M NaCl, 50% glycerol, 1mM DTT

Molecular Weight:33.6 kDa (289aa) confirmed by MALDI-TOF

Sequences:

MGSSHHHHHSSGLVPRGSHMGSHMMRDRLPDLTACRKNDDGDTVVVEKDHFMDDFFHQVEEIRNSIDKITQY
VEEVKKNHSIILSAPNPEGKIKEELEDLNKEIKKTANKIRAKLKAIEQSFDQDESGNRTSVDLRIRRTQHSVLSRKFVE
AMAEYNEAQTFRERSKGRIQRQLEITGRTTTTDDELEEMLESGKPSIFTSDIISDSQITRQALNEIESRHKDIMKLETSI
RELHEMFMDMAMFVETQGEMINNIERNVMNATDYVEHAKEETKKAIKYQSKARRKK

Purity:> 95% by HPLC

Concentration:0.25 mg/ml (determined by Bradford assay)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.