

STX4, 1-275aa, Human, His tag, E.coli

Cat.NO.: TP04080

3th Edition

Synonyms:Syntaxin 4, p35-2, STX4A

Description:Syntaxin 4, also known as STX4, belongs to the syntaxin/epimorphin family of proteins. Syntaxin family is cellular receptors for transport vesicles which participate in exocytosis in neutrophils. Syntaxin 4 is crucial for normal insulin-stimulated glucose uptake in skeletal muscle and decreases in Syntaxin 4 protein levels result in reduction of whole-body insulin-stimulated glucose metabolism. Recombinant human STX4 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, 40% glycerol, 1mM DTT

Molecular Weight:34.7 kDa (300aa), confirmed by MALDI-TOF

Sequences:

MGSSHHHHHSSGLVPRGSHMGSHMMRDRTHELRQGDDSSDEEDKERVALLVHPGTARLGSPDEEFFHKVRTI
RQTIVKLGNKVQELEKQQVTILATPLPEESMKQELQNLNRDEIKQLGREIRLQLKAIEPQKEEADENYNSVNTRMRKT
QHGVLSQQFVELINKNSMQSEYREKNVERIRRQLKITNAGMVSDEELEQMLDSGQSEVVFVSNILKDTQVTRQALN
EISARHSEIQQLERSIRELHDIFTFLATEVEMQGEMINRIEKNILSSADYVERGQEHVKTALENQKKARKKKVL

Purity:> 95% by HPLC

Concentration:1 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.