

# Product information



## STX4, 1-275aa

Human, His-tagged, Recombinant, *E.coli*

Cat. No. IBATGP1667

**Full name:** Syntaxin 4

**NCBI Accession No.:** NP\_004595

**Synonyms:** p35-2, STX4A

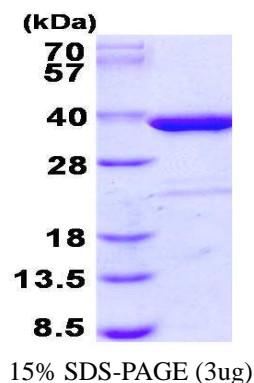
**Description:** Syntaxin 4, also known as STX4, belongs to the syntaxin/epimorphin family of proteins. Syntaxin family is cellular receptors for transport vesicles which participate in exocytosis in neutrophils. Syntaxin 4 is crucial for normal insulin-stimulated glucose uptake in skeletal muscle and 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

**Purity:** > 90% by SDS - PAGE

**Concentration:** 1 mg/ml (determined by Bradford assay)



### Sequences of amino acids:

MGSSHHHHH SSGLVPRGSH MGSHMRDRT HELRQGDDSS DEEDKERVAL VVHPGTARLG SPDEEFFHKV RTIRQTIKVL GNKVQELEKQ  
QVTILATPLP EESMKQELQN LRDEIKQLGR EIRLQLKAI E PQKEEADENY NSVNTMRMKT QHGVLSQQFV ELINKNSMQ SEYREKNVER  
IRRQLKITNA GMVSDEELEQ MLDSGQSEVF VSNILKDTQV TRQALNEISA RHSEIQQLER SIRELHDIFT FLATEVEMQG EMINRIEKN I  
LSSADYVERG QEHVKTALEN QKKARKKKVL

### General references:

Yang C., *et al.* (2001) *J Clin Invest.* 107: 1311-1318

Bennett M K., *et al.* (1993) *Cell.* 74: 863-873.

**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.

**For research use only. This product is not intended or approved for human, diagnostics or veterinary use.**



Manufactured for:

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