

Recombinant human Syntaxin 4 protein

Catalog Number: ATGP1667

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-275aa

UniProt No.

Q12846

NCBI Accession No.

NP_004595

Alternative Names

Syntaxin 4, p35-2, STX4A

PRODUCT SPECIFICATION

Molecular Weight

34.7 kDa (300aa) confirmed by MALDI-TOF

Concentration

1mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.1M NaCl, 40% glycerol, 1mM DTT

Purity

> 90% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

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.

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Amino acid Sequence

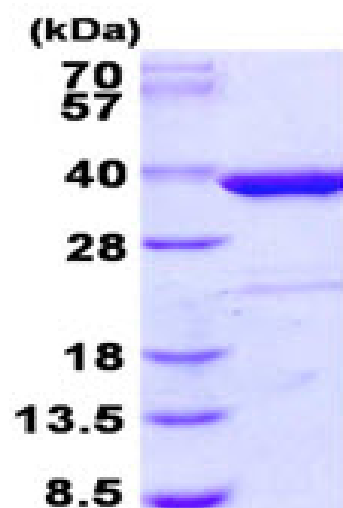
MGSSHHHHHH SSSLVPRGSH MGSMMRDRT HELRQGDDSS DEEDKERVAL VVHPGTARLG SPDEEFFHKV RTIRQTIVKL
GNKVQELEKQ QVTILATPLP EESMKQELQN LRDEIKQLGR EIRLQLKAIE PQKEEADENY NSVNTRMRKT QHGVLSQQFV
ELINKNSMQ SEYREKNVER IRRQLKITNA GMVSDEELEQ MLDSGQSEVF VSNILKDTQV TRQALNEISA RHSEIQQLER
SIRELHDIFT FLATEVEMQG EMINRIEKNI LSSADYVERG 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.

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

15% SDS-PAGE (3ug)