

AR50491PU-N

Human Syntaxin 4 / STX4 (1-275, His-tag) - Purified

Alternate names:

NY-REN-31, STX4A, Syntaxin-4

Quantity:

0.5 mg

Concentration:

1 mg/ml (determined by Bradford assay)

Background:

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.

Uniprot ID:

[Q12846](#)

NCBI:

[NP_004595](#)

GeneID:

[6810](#)

Species:

Human

Source:

E. coli

Format:

State: Liquid purified protein

Purity: >90% by SDS - PAGE

Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 0.1M NaCl, 40% glycerol, 1mM DTT

Description:

Recombinant human STX4 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

AA Sequence:

MGSSHHHHH SGLVPRGSH MGSMMRDRT HELRQGDDSS DEEDKERVALL VHPGTARLG
SPDEEFFHKV RTIRQTIVKL GNKVQELEKQ QVTILATPLP EESMKQELQN LRDEIKQLGR
EIRLQLKAIE PQKEEADENY NSVNTRMRKT QHGVLSQQFV ELINKCNSMQ SEYREKNVER
IRRQLKITNA GMVSDEELEQ MLDSGQSEVF VSNILKDTQV TRQALNEISA RHSEIQQLER
SIRELHDIFT FLATEVEMQG EMINRIEKNI LSSADYVERG QEHVKTALEN QKKARKKKVL

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

Storage:

Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer.

Avoid repeated freezing and thawing.

Shelf life: one year from despatch.

General Readings:

Yang C., et al. (2001) J Clin Invest. 107: 1311-1318 Bennett M K., et al. (1993) Cell. 74: 863-873.

Pictures:

