## **PRODUCT INFORMATION**

**Expression system** E.coli

**Domain** 1-263aa

**UniProt No.** Q13277

NCBI Accession No. NP\_004168

Alternative Names Syntaxin-3, STX3A, STX3

# **PRODUCT SPECIFICATION**

Molecular Weight 33.2 kDa (288aa) confirmed by MALDI-TOF

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

**Formulation** Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 2mM DTT, 10% glycerol, 100mM NaCl

**Purity** > 95% 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

STX3, also known as syntaxin 3, belongs to the syntaxin family. syntaxin family is cellular receptors for transport vesicles which participate in exocytosis in neutrophils. STX3 has an important role in the growth of neurites and serves as a direct target for omega-6 arachidonic acid. Recombinant human STX3 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.

### Amino acid Sequence

<MGSSHHHHHH SSGLVPRGSH MGSHM>MKDRL EQLKAKQLTQ DDDTDAVEIA IDNTAFMDEF FSEIEETRLN



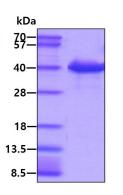
IDKISEHVEE AKKLYSIILS APIPEPKTKD DLEQLTTEIK KRANNVRNKL KSMEKHIEED EVRSSADLRI RKSQHSVLSR KFVEVMTKYN EAQVDFRERS KGRIQRQLEI TGKKTTDEEL EEMLESGNPA IFTSGIIDSQ ISKQALSEIE GRHKDIVRLE SSIKELHDMF MDIAMLVENQ GEMLDNIELN VMHTVDHVEK ARDETKKAVK YQSQARKK

#### **General References**

Martin-Martin B, et al. (1999) J. Leukoc. Biol. 65 (3): 397-406. Darios F, et al. (1996) Nature 440 (7085): 813-7

### DATA

#### **SDS-PAGE**



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