NKMAXBio we support you, we believe in your research Recombinant human Epimorphin/Syntaxin 2 protein Catalog Number: ATGP1613

## **PRODUCT INFORMATION**

**Expression system** E.coli

**Domain** 1-264aa

**UniProt No.** P32856

NCBI Accession No. NP\_919337

Alternative Names Syntaxin-2, EPIM, EPM, STX2A, STX2B, STX2C

# **PRODUCT SPECIFICATION**

Molecular Weight 33.6 kDa (289aa) confirmed by MALDI-TOF

#### **Concentration** 0.25mg/ml (determined by Bradford assay)

**Formulation** Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.1M NaCl, 50% glycerol,1mM DTT

**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

Syntaxin-2, also known as STX2, belongs to thesyntaxin/epimorphin family of proteins. Syntaxin family is cellular receptors for transport vesicles which participate in exocytosis in neutrophils. STX2 is a t-SNARE that localizes to the apical plasma membrane and intracellular vesicular structures. Also, STX2, along with SNAP-23, is required for regulated surfactant secretion. Recombinant human STX2 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.



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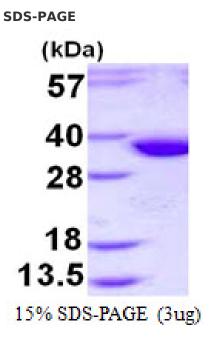
#### **Amino acid Sequence**

MGSSHHHHHH SSGLVPRGSH MGSHMMRDRL PDLTACRKND DGDTVVVVEK DHFMDDFFHQ VEEIRNSIDK ITQYVEEVKK NHSIILSAPN PEGKIKEELE DLNKEIKKTA NKIRAKLKAI EQSFDQDESG NRTSVDLRIR RTQHSVLSRK FVEAMAEYNE AQTLFRERSK GRIQRQLEIT GRTTTDDELE EMLESGKPSI FTSDIISDSQ ITRQALNEIE SRHKDIMKLE TSIRELHEMF MDMAMFVETQ GEMINNIERN VMNATDYVEH AKEETKKAIK YQSKARRKK

#### **General References**

Abonyo BO., et al. (2004) Biochemistry. 43:3499-3506. Bennett M K., et al. (1993) Cell. 74: 863-873.

## DATA



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

