

Recombinant human Syntaxin 12 protein

Catalog Number: ATGP1536

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-248aa

UniProt No.

Q86Y82

NCBI Accession No.

NP_803173.1

Alternative Names

Syntaxin 12, STX13, STX14

PRODUCT SPECIFICATION

Molecular Weight

31.0 kDa (272aa) confirmed by MALDI-TOF

Concentration

0.5mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.2M NaCl, 20% glycerol, 1mM DTT

Purity

> 85% 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 12, also known as, belongs to the syntaxin family. Syntaxin family is cellular receptors for transport vesicles which participate in exocytosis in neutrophils. STX12 regulates protein transport between late endosomes and the trans-Golgi network and interacts with ABC1 (ATP-binding cassette transporter A1), a protein that facilitates cellular release of choline-phospholipids and cholesterol to apoA-I (apolipoprotein A-I). Recombinant human STX12 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 MGS<MSYGPL DMYRNPGPSG PQLRDFSSII QTCSGNIQRI SQATAQIKNL
MSQLGTKQDS SKLQENLQQL QHSTNQLAKE TNELLKELGS LPLPLSTSEQ RQRLQKERL MNDFSAALNN FQAVQRRVSE
KEKESIARAR AGSRLSAEER QREEQLVSFD SHEEWNQMQS QEDEVAITEQ DLELIKERET AIRQLEADIL DVNQIFKDLA
MMIHDQGDLI DSIEANVESS EVHVERATEQ LQRAAYYQKK SR

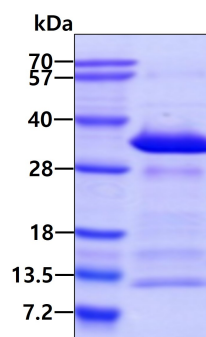
General References

Tang B L., et al. (1998) J Biol Chem. 273:6944-6950.

Prekeris R., et al. (1998) J Cell Biol. 143: 957-971.

DATA

SDS-PAGE



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