

**STX12, 1-248aa, Human, His tag, E.coli**

**Cat.NO.: TP04075**

3th Edition

**Synonyms:**Syntaxin 12, STX13, STX14

**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.

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

**Molecular Weight:**31.0 kDa (272aa), confirmed by MALDI-TOF

**Sequences:**

MGSSHHHHHHSSGLVPRGSHMGSHMSYGPLDMYRNPGPSQPQLRDFSSIIQTCSGNIQRISQATAQIKNLMSQLG  
TKQDSSKLQENLQQLQHSTNQLAKETNELLKELGSLPLPLSTSEQRQQRLQKERLMNDFSAALNNFQAVQRRVSE  
KEKESIARARAGSRLSAEERQREEQLVSFDSHEEWNQMMSQEDEVAITEQDLELIKERETAIRQLEADILDVNQIFK  
DLAMMIHDQGDLIDSIEANVESSEVHVERATEQLQRAAYYQKKS

**Purity:**> 95% by HPLC

**Concentration:**0.5 mg/ml (determined by Bradford assay)

**Endotoxin Level:**<1.0 EU per 1 ug of protein (determined by LAL method)

**Storage:**Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.