

Recombinant Human Syntaxin 12, His-tagged

Cat. No. STX12-6770H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant humanSTX12 protein, fused to His-tag at N-terminus, was expressed in E.coli andpurified by using conventional chromatography techniques
Species	Human
Source	E.coli
Description	Syntaxin 12, alsoknown as, belongs to the syntaxin family. Syntaxin family is cellularreceptors for transport vesicles which participate in exocytosis inneutrophils. STX12 regulates protein transport between late endosomes and thetrans-Golgi network and interacts with ABC1 (ATP-binding cassette transporterA1), a protein that facilitates cellular release of choline-phospholipids andcholesterol to apoA-I (apolipoprotein A-I)
Form	Liquid. In 20mMTris-HCl buffer (pH 8.0) containing 0.2M NaCl, 20% glycerol,1mM DTT
Molecular Weight	31.0 kDa (272aa),confirmed by MALDI-TOF
Purity	> 90% by SDS -PAGE
Concentration	0.5 mg/ml(determined by Bradford assay)
Sequences of aminoacids	MGSSHHHHHHSSGLVPRGSH MGSMSYGPL DMYRNPGPSG PQLRDFSSII QTCSGNIQRI SQATAQIKNL MSQLGTKQDSSKLQENLQQLQHSTNQLAKE

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TNELLKELGS LPLPLSTSEQ RQQRLQKERL MNDFSAAALNN
 FQAVQRRVSEKEKESARAR AGSRLSAEER QREEQLVSFD SHEEWNQMMS
 QEDEVAITEQ DLELIKERET AIRQLEADILDVNQIFKDLA MMIHDQGDLI
 DSIEANVESS EVHVERATEQ LQRAAYYQKK SR

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

GENE INFORMATION

Gene Name [STX12](#) syntaxin 12 [Homo sapiens]

Official Symbol [STX12](#)

Synonyms STX12; syntaxin 12; syntaxin-12; STX13; STX14; STX12; STX13; STX14

Gene ID [23673](#)

mRNA Refseq [NM_177424](#)

Protein Refseq [NP_803173](#)

MIM [606892](#)

Uniprot ID [Q86Y82](#)

Chromosome Location 1p35.3

Pathway Botulinum neurotoxicity, organism-specific biosystem; Neuronal System, organism-specific biosystem; Phagosome, organism-specific biosystem; Phagosome, conserved

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biosystem;Proteolytic cleavage of SNARE complex proteins, organism-specific biosystem

Function SNAP receptor activity; proteinbinding

PDB rendering based on 2dnx.

