

## Recombinant Human Syntaxin 3, His-tagged

**Cat. No.** STX3-052H    **Lot. No.** (See product label)

### SPECIFICATION

|                                 |                                                                                                                                                                                                                                                                    |
|---------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b>         | Recombinanthuman STX3 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.                                                                                                              |
| <b>Species</b>                  | Human                                                                                                                                                                                                                                                              |
| <b>Source</b>                   | E.coli                                                                                                                                                                                                                                                             |
| <b>Description</b>              | STX3 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. |
| <b>Form</b>                     | Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 2mM DTT, 10% glycerol, 100mM NaCl.                                                                                                                                                                             |
| <b>Molecular Weight</b>         | 33.2kDa (288aa), confirmed by MALDI-TOF                                                                                                                                                                                                                            |
| <b>Purity</b>                   | > 95% by SDS-PAGE                                                                                                                                                                                                                                                  |
| <b>Concentration</b>            | 1 mg/ml (determined by Bradford assay)                                                                                                                                                                                                                             |
| <b>Sequences of amino acids</b> | MGSSHHHHHSSGLVPRGSH MGSMMKDRL EQLKAKQLTQ DDDTDAVEIA<br>IDNTAFMDEFFSEIEETRLN IDKISEHVEE AKKLYSIILS APIPEPKTKD DLEQLTTEIK<br>KRANNVRNKL KSMKHEEDEVRSADLRI RKSQHSVLSR KFVEVMTKYN<br>EAQVDFRERS KGRIQRQLEI TGKKTDEEL EEMLESGNPAIFTSGIIDSQ                              |

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

ISKQALSEIE GRHKDIVRLE SSIKELHDMF MDIAMLVENQ GEMLDNIELN  
VMHTVDHVVEKARDETKKAVK YQSQARKK

**Storage**

Can bestored at +4°C short term (1-2 weeks). For long term storage, aliquot andstore at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

**OfficialSymbol**

STX3

**nullValue\_other**

Pathway

Botulinum neurotoxicity; Neuronal System; Proteolyticcleavage of SNARE compl  
ex proteins; Proteolytic cleavage of SNARE complexproteins; Synaptic vesicle cyc  
le

## GENE INFORMATION

**Gene Name**

STX3syntaxin 3 [ Homo sapiens ]

**Synonyms**

STX3; syntaxin 3; STX3A; syntaxin-3; syntaxin3A; OTTHUMP00000235765;  
OTTHUMP00000235766; OTTHUMP00000235767;  
OTTHUMP00000235768;FLJ30906

**Gene ID**

6809

**mRNA Refseq**

NM\_004177

**Protein Refseq**

NP\_004168

**MIM**

600876

**UniProt ID**

Q13277

**Chromosome**

11q12.1

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