# Recombinant Human Syntaxin 3, His-tagged

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

## SPECIFICATION

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| **Product Overview** | Recombinanthuman STX3 protein, fused to His-tag at N-terminus, was expressed in E. coliand purified by using conventional chromatography techniques. |
| **Species** | Human |
| **Source** | E.coli |
| **Description** | STX3 belongs tothe syntaxin family. syntaxin family is cellular receptors for transportvesicles which participate in exocytosis in neutrophils.STX3 has an important role in the growth of neurites and serves as a directtarget for omega-6 arachidonic acid. |
| **Form** | Liquid. In 20mMTris-HCl buffer (pH 8.0) containing 2mM DTT, 10% glycerol, 100mM NaCl. |
| **Molecular Weight** | 33.2kDa (288aa),confirmed by MALDI-TOF |
| **Purity** | > 95% by SDS-PAGE |
| **Concentration** | 1 mg/ml(determined by Bradford assay) |
| **Sequences of aminoacids** | MGSSHHHHHHSSGLVPRGSH MGSHMMKDRL EQLKAKQLTQ DDDTDAVEIA IDNTAFMDEFFSEIEETRLN IDKISEHVEE AKKLYSIILS APIPEPKTKD DLEQLTTEIK KRANNVRNKL KSMEKHIEEDEVRSSADLRI RKSQHSVLSR KFVEVMTKYN EAQVDFRERS KGRIQRQLEI TGKKTTDEEL EEMLESGNPAIFTSGIIDSQ |

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| | ISKQALSEIE GRHKDIVRLE SSIKELHDMF MDIAMLVENQ GEMLDNIELN VMHTVDHVEKARDETKKAVK 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 complex proteins; Proteolytic cleavage of SNARE complexproteins; Synaptic vesicle cycle |

## GENE INFORMATION

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| **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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| Location | |
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