
Product Data Sheet

Product Name: STX3 Human
 Cat. No.: GP24741
 Batch No.: 1

Product Data

Purity	>98%	Source	E.coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Syntaxin-3; STX3; STX3A.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSMMKDRL EQLKAKQLTQ DDDTDAVEIA IDNTAFMDEF FSEIEETRLN IDKISEHVEE AKKLYSIILS APIPEPKTKD DLEQLTTEIK KRANNVRNKL KSMEKHIEED EVRSSADLRI RKSQHSVLSR KFVEVMTKYN EAQVDFRERS KGRIQRQLEI TGKKTDEEL EEMLESGNPA IFTSGIIDSQ ISKQALSEIE GRHKDIVRLE SSIKELHDMF MDIAMLVENQ GEMLDNIELN VMHTVDHVEK ARDETKKAVK YQSQARKK.		
Formulation	STX3 protein solution (1mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 2mM DTT, 10% glycerol and 100mM NaCl.		

Introduction

Syntaxin 3 (STX3) is a member of the syntaxin family. The syntaxin family members are cellular receptors for transport vesicles which participate in exocytosis in neutrophils. STX3 has a significant role in the growth of neurites and functions as a direct target for omega-6 arachidonic acid. STX3 is steered to the apical membrane of epithelial cells where it forms clusters and is vital in establishing and maintaining polarity required for protein trafficking involving vesicle fusion and exocytosis.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

STX3 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 288 amino acids (1-263 a.a) and having a molecular mass of

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33.2kDa.STX3 is fused to a 25 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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