
Product Data Sheet

Product Name: STX2 Human
 Cat. No.: GP24740
 Batch No.: 1

Product Data

Purity	>98%	Source	E.coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Syntaxin 2; epimorphin; EPM; EPIM; STX2A; STX2B; STX2C.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSMMRDRL PDLTACRKND DGDTVVVVEK DHFMDDFFHQ VEEIRNSIDK ITQYVEEVKK NHSIILSAPN PEGKIKEELE DLNKEIKKTA NKIRAKLKAI EQSFDQDESG NRTSVDLRIR RTQHSVLSRK FVEAMA EYNE AQTFRERSK GRIQRQLEIT GRTTTDDELE EMLESGKPSI FTSDIISDSQ ITRQALNEIE SRHKDIMKLE TSIRELHEMF MDMAMFVETQ GEMINNIERN VMNATDYVEH AKEETKKAIK YQSKARRKK		
Formulation	The STX2 solution (0.25mg/1ml) contains 20mM Tris-HCl buffer (pH 8.0), 100mM NaCl, 1mM DTT and 50% glycerol.		

Introduction

Syntaxin-2 (STX2) is a member of the syntaxin/epimorphin family of proteins. Syntaxin family members are cellular receptors for transport vesicles which participate in exocytosis in neutrophils. STX2 regulates epithelial-mesenchymal interactions and epithelial cell morphogenesis and activation. STX2 is a t-SNARE which localizes to the apical plasma membrane and intracellular vesicular structures. In addition, STX2, along with SNAP-23, is essential for regulated surfactant secretion.

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

STX2 Human Recombinant produced in E. coli is a single polypeptide chain containing 289 amino acids (1-264) and having a molecular mass of 33.6 kDa. STX2 is fused to a 25

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amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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