
Product Data Sheet

Product Name: STX12 Human
 Cat. No.: GP24737
 Batch No.: 1

Product Data

Purity	>98%	Source	E.coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Syntaxin 12; STX13; STX14.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSMSYGPL DMYRNPGPSG PQLRDFSSII QTCSGNIQRI SQATAQIKNL MSQLGTKQDS SKLQENLQQL QHSTNQLAKE TNELLKELGS LPLPLSTSEQ RQRLQKERL MNDFSALNN FQAVQRRVSE KEKESIRAR AGSRLSAEER QREEQLVSFD SHEEWNQMMS QEDEVAITEQ DLELIKERET AIRQLEADIL DVNQIFKDLA MMIHDQGDLI DSIEANVESS EVHVERATEQ LQRAAYYQKK SR		
Formulation	The STX12 solution (0.5mg/1ml) contains 20mM Tris-HCl buffer (pH 8.0), 200mM NaCl, 1mM DTT and 20% glycerol.		

Introduction

STX12 is a member of the syntaxin family which are cellular receptors for transport of vesicles that take part in exocytosis in neutrophils. STX12 regulates protein transport from late endosomes and the trans-Golgi network and back. Additionally, STX12 cooperates with ABC1 (ATP-binding cassette transporter A1), which enables cellular release of cholesterol and choline-phospholipids to apoA-I (apolipoprotein A-I).

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

STX12 Human Recombinant produced in E. coli is a single polypeptide chain containing 272 amino acids (1-248) and having a molecular mass of 31.0kDa. STX12 is fused to a 24 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

Caution: Product has not been fully validated for medical applications. For research use only.

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