
Product Data Sheet

Product Name: STX4 Human

Cat. No.: GP24742

Batch No.: 1

Product Data

Purity	>98%	Source	E.coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Syntaxin 4; syntaxin 4A (placental); STX4A; Renal carcinoma antigen NY-REN-31; p35-2.		
Amino Acid Sequence	MGSSHHHHHH SSGLVPRGSH MGSMMRDRT HELRQGDDSS DEEDKERVALL VVHPGTARLG SPDEEFFHKV RTIRQTIVKL GNKVQELEKQ QVTILATPLP EESMKQELQN LRDEIKQLGR EIRLQLKAIE PQKEEADENY NSVNTRMRKT QHGVLSSQFV ELINKCNSMQ SEYREKNVER IRRQLKITNA GMVSDEEELQ MLDSGQSEVF VSNILKDTQV TRQALNEISA RHSEIQQLER SIRELHDIFT FLATEVEMQG EMINRIEKNI LSSADYVERG QEHVKTALLEN QKKARKKKVL		
Formulation	The STX4 solution (1mg/1ml) contains 20mM Tris-HCl buffer (pH 8.0), 100mM NaCl, 1mM DTT and 40% glycerol.		

Introduction

Syntaxin 4 (STX4) is a member of the syntaxin/epimorphin family of proteins. The Syntaxin family is cellular receptors for transport vesicles which participate in exocytosis in neutrophils. Syntaxin 4 is vital for normal regulation of glucose metabolism uptake in skeletal muscle and decline in STX4 protein levels lead to reduction of whole-body hormone-stimulated glucose metabolism. STX4 is expressed in neutrophils and neutrophil-differentiated HL-60 cells. The STX4 expression in neutrophils increases with differentiation.

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

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

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STX4 Human Recombinant produced in E. coli is a single polypeptide chain containing 300 amino acids (1-275) and having a molecular mass of 34.7 kDa. STX4 is fused to a 25 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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