
Product Data Sheet

Product Name: SYT11 Human

Cat. No.: GP24763

Batch No.: 1

Product Data

Purity	>98%	Source	E.coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	SynaptotagminXI; SytXI; Synaptotagmin 12; KIAA0080; SYT12; Synaptotagmin-11.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSWSCCHQQ AEKKQKNPPY KFIHMLKGIS IYPETLSNKK KIIKVRDKDGPREGGRRN LLVDAAEAGL LSRDKDPRGP SSGSCIDQLP IKMDYGEELR SPITSLTPGE SKTTSPSSPEEDVMLGSLTF SVDYNFPKKA LVVTIQEAHG LPVMDDQTQGSDPYIKMTIL PDKRHRVKTR VLRKTLDPVF DETFTFYGIP YSQLQDLVLHFLVLSFDRFS RDDVIGVMV PLAGVDPSTG KVQLTRDIIK RNIQKCISRG ELQVLSYQP VAQRMTVVVLKARHLPKMDI TGLSGNPYVK VNVYYGRKRI AKKKTHVKKC TLNPIFNESF IYDIPTDLLPDISIEFLVID FDRTTKNEVVGRLLILGAHSV TASGAEHWRE VCESPRKPVA KWHSLSEY.		
Formulation	SYT11 protein solution (0.25mg/ml) containing PhosphateBuffered Saline (pH7.4) and 50% glycerol.		

Introduction

Synaptotagmin-11 (SYT11) protein may be involved in Ca²⁺-dependent exocytosis of secretory vesicles through Ca²⁺ and phospholipid binding to the C2 domain or may function as Ca²⁺ sensors in the process of vesicular trafficking 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

SYT11 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide

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

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chain containing 418 amino acids (37-431 a.a) and having a molecular mass of 47kDa. SYT11 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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