
Product Data Sheet

Product Name: SYT5 Human
 Cat. No.: GP24762
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Synaptotagmin V; Synaptotagmin 5; synaptotagmin-5; sytV; SytV.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSLGRLQYS LDYDFQSGQL LVGILQAMGL AALDLGGSSD PYVRVYLLPDKRRRYETKVH RQTLNPHFGE TFAFKVPYVE LGGRVLVMAV YDFDRFSRND AIGEVVPMS SVDLGRPVQAWRELQAAPRE EQEKLGDICF SLRYVPTAGK LTVIVLEAKN LKKMDVGGLS DPYVKVHLLQ GGKKVRKKKT TIKKNTLNPY YNEAFSFEVPCDQVQKVQVE LTVLDYDKLG KNEAIGRVAV GAAAGGAGLR HWADMLANPR RPIAQWHSLR PPDRVLLPA P		
Formulation	SYT5 protein solution (0.25mg/ml) containing 20mMTris-HCl(pH 8.0) containing 40% glycerol, 0.2M NaCl and 2mM DTT.		

Introduction

SynaptotagminV, (SYT5) is a member of synaptotagmin family, which is a family of type III membrane proteins characterized by cytoplasmic repeats related to protein kinase C regulatory (C2) domains that are considered to bind calcium. Synaptotagmins function as negative regulators of vesicle fusion, allowing fusion in the attendance of calcium, and as calcium receptors or sensor molecules. Among the diseases associated with SYT5 are labyrinthitis, and thyroiditis.

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

SYT5 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 301 amino acids (109-386aa) and having a molecular mass of 33.6kDa.

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