Datasheet for ABIN7555693
SYTL2 Protein (AA 1-934) (His tag)

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Overview

Quantity:	1 mg
Target:	SYTL2
Protein Characteristics:	AA 1-934
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SYTL2 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant SYTL2 Protein expressed in mammalian cells.
Sequence:	MIDLSFLTEE EQEAIMKVLQ RDAALKRAEE ERVRHLPEKI KDDQQLKNMS GQWFYEAKAK RHRDKIHGAD IIRASMRKKR PQIAAEQSKD RENGAKESWV NNVNKDAFLP PELAGVVEEP EEDAAPASPS SSVVNPASSV IDMSQENTRK PNVSPEKRKN PFNSSKLPEG HSSQQTKNEQ SKNGRTGLFQ TSKEDELSES KEKSTVADTS IQKLEKSKQT LPGLSNGSQI KAPIPKARKM IYKSTDLNKD DNQSFPRQRT DSLKARGAPR GILKRNSSSS STDSETLRYN HNFEPKSKIV SPGLTIHERI SEKEHSLEDN SSPNSLEPLK HVRFSAVKDE LPQSPGLIHG REVGEFSVLE SDRLKNGMED AGDTEEFQSD PKPSQYRKPS LFHQSTSSPY VSKSETHQPM TSGSFPINGL HSHSEVLTAR PQSMENSPTI NEPKDKSSEL TRLESVLPRS PADELSHCVE PEPSQVPGGS SRDRQQGSEE EPSPVLKTLE RSAARKMPSK SLEDISSDSS NQAKVDNQPE ELVRSAEDVS TVPTQPDNPF SHPDKLKRMS KSVPAFLQDE SDDRETDTAS ESSYQLSRHK KSPSSLTNLS SSSGMTSLSS VSGSVMSVYS GDFGNLEVKG NIQFAIEYVE SLKELHVFVA QCKDLAAADV KKQRSDPYVK AYLLPDKGKM GKKKTLVVKK TLNPVYNEIL RYKIEKQILK TQKLNLSIWH

Product Details

RDTFKRNSFL GEVELDLETW DWDNKQNKQL RWYPLKRKTA PVALEAENRG EMKLALQYVP EPVPGKKLPT TGEVHIWVKE CLDLPLLRGS HLNSFVKCTI LPDTSRKSRQ KTRAVGKTTN PIFNHTMVYD GFRPEDLMEA CVELTVWDHY KLTNQFLGGL RIGFGTGKSY GTEVDWMDST SEEVALWEKM VNSPNTWIEA TLPLRMLLIA KISK **Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.**

Specificity:	If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.
Characteristics:	Key Benefits: • Made to order protein - from design to production - by highly experienced protein experts. • Protein expressed in mammalian cells and purified in one-step affinity chromatography • The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins. • State-of-the-art algorithm used for plasmid design (Gene synthesis). This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein. If you are not interested in a full length protein, please contact us for individual protein fragments. The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.
Purity:	> 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)
Grade:	custom-made

Target Details

Target:	SYTL2
Alternative Name:	SYTL2 (SYTL2 Products)
Background:	Synaptotagmin-like protein 2 (Breast cancer-associated antigen SGA-72M) (Exophilin-4),FUNCTION: Isoform 1 acts as a RAB27A effector protein and plays a role in cytotoxic granule exocytosis in lymphocytes. It is required for cytotoxic granule docking at the immunologic synapse. Isoform 4 binds phosphatidylserine (PS) and phosphatidylinositol-4,5-bisphosphate

Target Details

(PIP2) and promotes the recruitment of glucagon-containing granules to the cell membrane in pancreatic alpha cells. Binding to PS is inhibited by Ca(2+) while binding to PIP2 is Ca(2+) insensitive. {ECO:0000269|PubMed:17182843, ECO:0000269|PubMed:18266782, ECO:0000269|PubMed:18812475}.

Molecular Weight:	104.9 kDa
UniProt:	Q9HCH5

Application Details

Application Notes:	We expect the protein to work for functional studies. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	The buffer composition is at the discretion of the manufacturer.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-80 °C
Storage Comment:	Store at -80°C.
Expiry Date:	12 months