

Datasheet for ABIN7564913  
**SYTL2 Protein (AA 1-950) (His tag)**



[Go to Product page](#)

## Overview

Quantity:	1 mg
Target:	SYTL2
Protein Characteristics:	AA 1-950
Origin:	Mouse
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:	<p>MIDLSFLTEE EQDAILKVLQ RDAALKRAEE ERVRHLPEKI KDDQQLKNMS GQWFYEAKAK</p> <p>RHRDKIHGAD IIRASMRRKK LPAAAEQNKD TAMRAKESWV NNVNKDAVLP PEIAVVEEPE</p> <p>DDTDPAGPSS SLVDPASSVI DMSQESTRTP AVSLPKQRKN PFNSPKLPED HSLQQTKPEQ</p> <p>SKTGKAGLFQ ISKEGELSES KEKSSIPDMP RQQLEKPKQT VSTEPENASH TKAPIPKARK</p> <p>LIYKSNDEK DDNQSFPRQR RDSLNARGAP RGILKRNSSS SSTDSETLRL NYNLDPKSKI</p> <p>LSPGLTIHER ISEKEFSLED DSSTSSLEPL KHVRFSAVKN ELPQSPRPVL GQEVGEFTVL</p> <p>ESDQLQNGTE DAGDIEEFQN HPELSHKTPL SHYQLVSSPS DSGREREQLM SSGSAPRDEI</p> <p>PCHSDILPTG PQCVESSSVI NGQKEKSSH F TKLPSELSKS PSELTQCGE PEPSQTADHS</p> <p>FRDHRQGSEE EHSPVLKTL RRAARKLP SK SLEDIPSDSS NQAKVDNLPE ELVRS AEDDQ</p> <p>KADQEPDTNE CIPGISTVPS LPDNQFSHPD KLKRMSKSV AF LQDESDDR ETD TASESSY</p> <p>QLRRYK KSPS SLTNLSSSSG MTSLSASGS VMSVYSGDFG NLEVKG SVQF ALDYVESLKE</p> <p>LHVFVAQCKD LAAADVKKQR SDPYVKTYLL PDKGKMGKKK TLVVKKTLNP VYNEILRYKI</p>

ERQFLKTQKL NLSVWHRDTF KRNSFLGEVE LDLETWDWDS KQNKQLKWYP LKRKTAPVAL  
ETENRGEMKL ALQYVPEPSP GKKLPTTGEV HIWVKECLDL PLLRGSHLNS FVKCTILPDT  
SRKSRQKTRA VGKTTNPVFN HTMVYDGFRP EDLMEACVEL TVWDHYKLTN QFLGGLRIGF  
GTGKSYGTEV DWMDSTSEEV ALWEKVMVNSP NTWVEATLPL RMLLIKLSK **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:	<p>Key Benefits:</p> <ul style="list-style-type: none"><li>• Made to order protein - from design to production - by highly experienced protein experts.</li><li>• Protein expressed in mammalian cells and purified in one-step affinity chromatography</li><li>• The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.</li><li>• State-of-the-art algorithm used for plasmid design (Gene synthesis).</li></ul> <p>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.</p> <p>If you are not interested in a full length protein, please contact us for individual protein fragments.</p> <p>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.</p>

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:	SytI2 ( <a href="#">SYTL2 Products</a> )
Background:	Synaptotagmin-like protein 2 (Exophilin-4),FUNCTION: Isoform 11 acts as a RAB27A effector protein and plays a role in cytotoxic granule exocytosis in lymphocytes. Required for cytotoxic granule docking at the immunologic synapse. Isoform 1 may play a role in melanosome transport and vesicle trafficking. It controls melanosome distribution in the cell periphery and

## Target Details

regulates melanocyte morphology. Isoform 1 acts as a positive mediator of mucus secretion by the surface mucus cells of the stomach. Mediates basal mucus secretion by gastric surface cells by promoting the proper granule biogenesis and docking of mucus granules with the apical plasma membrane. {ECO:0000269|PubMed:15543135, ECO:0000269|PubMed:16716193, ECO:0000269|PubMed:18266782}.

Molecular Weight: 106.8 kDa

UniProt: [Q99N50](#)

## 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