

Datasheet for ABIN7563703  
**ESYT1 Protein (AA 1-1092) (His tag)**



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## Overview

Quantity:	1 mg
Target:	ESYT1
Protein Characteristics:	AA 1-1092
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This ESYT1 protein is labelled with His tag.

## Product Details

Purpose:	Custom-made recombinant Esyt1 Protein expressed in mammalian cells.
Sequence:	MEHSPEEGAS PEPGQPPAT DSTRDGGSGV PPAGPGAASE ALAVLTSFGR RLLVLVPVYL AGAAGLSVGF VLFGLALYLG WRRVRDGKER SLRAARQLLD DEERITAETL YMSHRELP VSPFDVEKAE WLNKIVAQVW PFLGQYMEKL LAETVAPAVR GANPHLQTFT FTRVELGK LRIIGVKVHP SQRKDQILLD LNVSYVGDVQ IDVEVKKYFC KAGVKGMQLH GVLRVILEPL TGDLPVIGAV SMFFIKRPTL DINWTGMTNL LDIPGLSSLS DTMIMDSIAA FLVLPNRLLV PLVPDLQDVA QLRSPVLRGI IRIHLLAARG LSSKDKYVKG LIEGKSDPYA LVRVGTQTF SRVIDEELNP HWGETYEIV HEVPGQEIEV EVFDKDPDKD DFLGRMKLDV GVLQAGVLD NWYPLQGGQG QVHLRLEWLS LLPDAEKLDQ VLQWNRGITS RPEPPSAAIL VVYLDRAQDL PLKKGNKEPN PMVQLSVQDV TRESKATYST NSPVWEEAFR FFLQDPRSQE LDVQVKDDSR ALTLGALTLP LARLLTASEL TLDQWFQLSS SGPNSRLYMK LVMRILYLDY SEIRFPTVPG AQDWDRESLE TGSSVDAPPR PYHTTPNSHF GTENVLRIHV LEAQDLIAKD RFLGGLVKGK SDPYVCLKVA GKSFRTHVVR EDLNPRWNEV FEVIVTSIPG QELEIEVFDK DLDKDDFLGR

## Product Details

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YKVSLTTVLN SGFLDEWLTL EDVPSGRLHL RLERLTPRPT AAELEEVLQV NSLIQTQKSS  
ELAAALLSVF LERAEDLPLR KGTKPPSPYA TITVGETSHK TKTVSQSSAP VWEESASFLI  
RKPHAESLEL QVRGEGTGTL GSVSLPSEL LQEDQLCLDH WFALSGQGQV LMRAQLGILV  
SQHSGVEAHS HSYSHSHSS SLNDEPEALG GPTHASPVL EVRHRLTHGD SPSEAPVGPL  
GQVKLTWYH SDEQKLISII HSCRALRQNG RDLPPYVSV LLLPDKNRST KRKTPQKKRT  
LNPEFNERFE WDLPLDGLR RKLDVSVKSN SSFMSREREL LGKVQLDLAE IDLSQGAAQW  
YDLMDDRDKG GS **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.**

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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.

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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.

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Purity: > 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)

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Grade: custom-made

## Target Details

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Target: ESYT1

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Alternative Name: ESYT1 ([ESYT1 Products](#))

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Background: Extended synaptotagmin-1 (E-Syt1) (Membrane-bound C2 domain-containing protein),FUNCTION: Binds glycerophospholipids in a barrel-like domain and may play a role in

## Target Details

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cellular lipid transport (By similarity). Binds calcium (via the C2 domains) and translocates to sites of contact between the endoplasmic reticulum and the cell membrane in response to increased cytosolic calcium levels. Helps tether the endoplasmic reticulum to the cell membrane and promotes the formation of appositions between the endoplasmic reticulum and the cell membrane (By similarity). {ECO:0000250}.

Molecular Weight: 121.6 kDa

UniProt: [Q3U7R1](#)

## Application Details

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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

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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