

Datasheet for ABIN7553825
FAM62B Protein (AA 1-921) (His tag)



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Overview

Quantity:	1 mg
Target:	FAM62B (ESYT2)
Protein Characteristics:	AA 1-921
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This FAM62B protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant ESYT2 Protein expressed in mammalian cells.
Sequence:	MTANRDAALS SHRHPGCAQR PRTPTFASSS QRRSAFGFDD GNFPGLGERS HAPGSRLGAR RRAKTARGLR GHRQRGAGAG LSRPGSARAP SPPRPGGPEN PGGVLSVELP GLLAQLARSF ALLLPVYALG YLGLSFSWVL LALALLAWCR RSRGLKALRL CRALALLEDE ERVRLGVRA CDLPAWVHFP DTERAEWLNK TVKHMWPFIC QFIEKLFRET IEPAVRGANT HLSTFSFTKV DVGQQPLRIN GVKVYTENV D KRQIILDQI SFVGNCEIDL EIKRYFCRAG VKSIQIHGTM RVILEPLIGD MPLVGALSIF FLRKPLLEIN WTGLTNLLDV PGLNGLSDTI ILDIISNYLV LPNRITVPLV SEVQIAQLRF PVPKGVLR IH FIEAQLQ GK DTYLKGLVKG KSDPYGIIRV GNQIFQSRVI KENLSPKWNE VYEALVYEH P GQELEIELFD EDPDKDDFLG SLMIDLIEVE KERLLDEWFT LDEVKPKGLH LRLEWLTMP NASNLDKVLT DIKADKDQAN DGLSSALLIL YLDSARNLPS GKKISSNP NP VVQMSVGHKA QESKIRYKTN EPVWEENFTF FIHNPKRQDL EVEVRDEQHQ CSLGNLKVPL SQLLTSED MT VSQRFQLSNS GPNSTIKMKI ALRVLHLEKR ERPPDHQ HSA QVKRPSVSKE GRKTSIKSHM SGSPGPGGSN TAPSTPVIGG SDKPGMEEKA QPPEAGPQGL

Product Details

HDLGRSSSSL LASPGHISVK EPTPSIASDI SLPIATQELR QRLRQLENGT TLGQSPLGQI
QLTIRHSSQR NKLIVVHAC RNLIAFSEDG SDPYVRMYLL PDKRRSGRRK THVSKKTLNP
VFDQSFDFSV SLPEVQRRTL DVAVKNSGGF LSKDKGLLGK VLVALASEEL AKGWTQWYDL
TEDGTRPQAM T **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: FAM62B (ESYT2)

Alternative Name: ESYT2 ([ESYT2 Products](#))

Background: Extended synaptotagmin-2 (E-Syt2) (Chr2Syt),FUNCTION: Tethers the endoplasmic reticulum to the cell membrane and promotes the formation of appositions between the endoplasmic reticulum and the cell membrane. Binds glycerophospholipids in a barrel-like domain and may play a role in cellular lipid transport. Plays a role in FGF signaling via its role in the rapid internalization of FGFR1 that has been activated by FGF1 binding, this occurs most likely via the

Target Details

AP-2 complex. Promotes the localization of SACM1L at endoplasmic reticulum-plasma membrane contact sites (EPCS) (PubMed:27044890). {ECO:0000269|PubMed:17360437, ECO:0000269|PubMed:20833364, ECO:0000269|PubMed:23791178, ECO:0000269|PubMed:24847877, ECO:0000269|PubMed:27044890}.

Molecular Weight: 102.4 kDa

UniProt: [A0FGR8](#)

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