

Datasheet for ABIN7555376
SEC63 Protein (AA 1-760) (His tag)



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Overview

Quantity:	1 mg
Target:	SEC63
Protein Characteristics:	AA 1-760
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SEC63 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant SEC63 Protein expressed in mammalian cells.
Sequence:	MAGQQFQYDD SGNTFFYFLT SFVGLIVIPA TYYLWPRDQN AEQIRLKNIR KVYGRCMWYR LRLKQPNI IPTVKKIVLL AGWALFLFLA YKVKTDREY QEYNPYEVLN LDPGATVAEI KKQYRLLSLK YHPDKGGDEV MFMRIAKAYA ALTDEESRKN WEEFGNPDGP QATSFGIALP AWIVDQKNSI LVLLVYGLAF MVILPVVVGS WWYRSIRYSG DQILIRTTQI YTYFVYKTRN MDMKRLIMVL AGASEFDPQY NKDATSRPTD NILIPQLIRE IGSINLKKNE PPLTCPYSLK ARVLLLSHLA RMKIPETLEE DQQFMLKKCP ALLQEMVNV I CQLIVMARNR EEREFRAPTL ASLENCMKLS QMAVQGLQF KSPLLQLPHI EEDNLRRVSN HKKYKIKTIQ DLVSLKESDR HTLLHFLEDE KYEEVMAVLG SFPYVTMDIK SQVLDEEDSN NITVGS�TV LVKLTRQTMA EVFEKEQSIC AAEEQPAEDG QGETNKNRTK GGWQKSKGP KKTAKSKKKK PLKKKPTPVL LPQSKQKQK QANGVVGNEA AVKEDEEEVS DKGSDSEEEE TNRDSQSEKD DGSDRDSRE QDEKQNKDDE AEWQELQSI QRKERALLET KSKITHPVYS LYFPEEKQEW WWLYIADRKE QTLISMPYHV CTLKDTEEVE LKFPAPGKPG NYQYTVFLRS DSYMGLDQIK PLKLEVHEAK

Product Details

PVPENHPQWD TAIEGDEDQE DSEGFEDSFE EEEEEEDDD **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: SEC63

Alternative Name: SEC63 ([SEC63 Products](#))

Background: Translocation protein SEC63 homolog,FUNCTION: Mediates cotranslational and post-translational transport of certain precursor polypeptides across endoplasmic reticulum (ER) (PubMed:22375059, PubMed:29719251). Proposed to play an auxiliary role in recognition of precursors with short and apolar signal peptides. May cooperate with SEC62 and HSPA5/BiP to facilitate targeting of small presecretory proteins into the SEC61 channel-forming translocon complex, triggering channel opening for polypeptide translocation to the ER lumen (PubMed:29719251). Required for efficient PKD1/Polycystin-1 biogenesis and trafficking to the

Target Details

plasma membrane of the primary cilia (By similarity). {ECO:0000250|UniProtKB:Q8VHE0, ECO:0000269|PubMed:22375059, ECO:0000269|PubMed:29719251}.

Molecular Weight: 88.0 kDa

UniProt: [Q9UGP8](#)

Pathways: [ER-Nucleus Signaling](#)

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