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Datasheet for ABIN7555371

SEC24A Protein (AA 1-1093) (His tag)

Overview

Quantity:	1 mg
Target:	SEC24A
Protein Characteristics:	AA 1-1093
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SEC24A protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant SEC24A Protein expressed in mammalian cells.
Sequence:	MSQPGIPASG GAPASLQAQN GAALASGSPY TNGPVQNALL SSQESVSQGY NFQLPGSYPH PIPAKTLNPV SGQSNYGGSQ GSGQTLNRPP VASNPVTPSL HSGPAPRMPL PASQNPATTP MPSSSFLPEA NLPPPLNWQY NYPSTASQTN HCPRESSQPT VSGNTSLTTN HQYVSSGYPS LQNSFIKSGP SVPPLVNPPL PTFQPGAPH GPPPAGGPPP VRALTPLTSS YRDVPQPLFN SAVNQEGITS NTNNGSMVVH SSYDEIEGGG LLATPQLTNK NPKMSRSVGY SYPSLPPGYQ NTTPPGATGV PPSSLNYPSPG PQAFTQTPLG ANHLTTSMSG LSLQPEGLRV VNLLQERNML PSTPLKPPVP NLHEDIQKLN CNPELFRCTL TSIPQTQALL NKAKLPLGLL LHPFKDLVQL PVVTSSTIVR CRSCRTYINP FVSFLDQRRW KCNLCYRVND VPEEFLYNPL TRVYGEPHRR PEVQNATIEF MAPSEYMLRP PQPPVYLFVF DVSHNAVETG YLNSVCQSLL DNLDLLPGNT RTKIGFITFD STIHFYGLQE SLSQPQLMIV SDIEDVFIPM PENLLVNLNE SKELVQDLLK TLPQMFTKTL ETQSALGPAL QAAFKLMSPT GGRMSVFQTTQ LPTLGVGALK PREEPNHRSS AKDIHMTPTST DFYKKLALDC SGQQVAVDLF LLSGQYSDLA SLGCISRYSA GSVYYYYPSYH

Product Details

HQHNPVQVQK LQKELQRYLT RKIGFEAVMR IRCTKGLSIH TFHGNFFVRS TDLLSLPNVN
PDAGYAVQMS VEESLTDQL VSFQSALLYT SSKGERRIRV HTLCLPVVST LNDVFLGADV
QAISGLLANM AVDRSMTASL SDARDALVNA VIDSLSAYRS SVLSNQQPGL MVPFSLRLFP
LFVLALLKQK SFQTGTNARL DERIFAMCQV KNQPLVYML TTHPSLYRVD NLSDEGALNI
SDRTIPQPI LQLSVEKLSR DGAFLMDAGS VLMLWVGKNC TQNFLSQVLG VQNYASIPQP
MTDLPELDTP ESARIIAFIS WLREQRPFFP ILYVIRDESP MKANFLQNMI EDRTESALSY
YEFLLHIQQQ VNK **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: SEC24A

Alternative Name: SEC24A ([SEC24A Products](#))

Background: Protein transport protein Sec24A (SEC24-related protein A),FUNCTION: Component of the coat protein complex II (COPII) which promotes the formation of transport vesicles from the

Target Details

endoplasmic reticulum (ER). The coat has two main functions, the physical deformation of the endoplasmic reticulum membrane into vesicles and the selection of cargo molecules for their transport to the Golgi complex (PubMed:20427317, PubMed:17499046, PubMed:18843296). Plays a central role in cargo selection within the COPII complex and together with SEC24B may have a different specificity compared to SEC24C and SEC24D. May package preferentially cargos with cytoplasmic DxE or LxxLE motifs and may also recognize conformational epitopes (PubMed:17499046, PubMed:18843296). {ECO:0000269|PubMed:17499046, ECO:0000269|PubMed:18843296, ECO:0000269|PubMed:20427317}.

Molecular Weight: 119.7 kDa

UniProt: [O95486](#)

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