

Datasheet for ABIN7555359

SEC24D Protein (AA 1-1032) (His tag)



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Overview

Quantity:	1 mg
Target:	SEC24D
Protein Characteristics:	AA 1-1032
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SEC24D protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant SEC24D Protein expressed in mammalian cells.
Sequence:	<p>MSQQGYVATP PYSQPQPGIG LSPPHYGHYG DPSHTASPTG MMKPAGPLGA TATRGMLPPG</p> <p>PPPPGPHQFG QNGAHATGHP PQRFPGPPPV NNVASSHAPY QPSAQSSYPG PISTSSVTQL</p> <p>GSQLSAMQIN SYGSGMAPPS QGPPGPLSAT SLQTPRPPQ PSILQGSQV LPPPTTLNG</p> <p>PGASPLPLPM YRPDGLSGPP PPNAQYQPPP LPGQTLGAGY PPQQANSGPQ MAGAQLSYPG</p> <p>GFPGGPAQMA GPPQPQKKLD PDSIPSPIQV IENDRASRGQ QVYATNTRGQ IPPLVTTCM</p> <p>IQDQGNASPR FIRCTTYCFP CTSDMAKQAQ IPLAAVIKPF ATIPSNESPL YLVNHGESGP</p> <p>VRCNRCKAYM CPFMQFIEGG RRYQCGFCNC VNDVPPFYFQ HLDHIGRRLD HYEKPELSLG</p> <p>SYEYVATLDY CRKSKPPNPP AFIFMIDVSY SNIKNGLVKL ICEELKTMLE KIPKEEQEET</p> <p>SAIRVGFITY NKVLHFFNVK SNLAQPQMMV VTDVGEVFPV LLDGFLVNYQ ESQSVIHNLL</p> <p>DQIPDMFADS NENETVFAPV IQAGMEALKA ADCPGKLFIF HSSLPTAEAP GKLKNRDDKK</p> <p>LVNTDKEKIL FQPQTNVYDS LAKDCVAHGC SVTLFLFPSQ YVDVASLGLV PQLTGGTLYK</p> <p>YNNFQMHLDR QQFLNDLRND IEKKIGFDAI MRVRTSTGFR ATDFFGGILM NNTTDVEMAA</p>

Product Details

IDCDKAVTVE FKHDDKLSED SGALIQCAVL YTTISGQRRL RIHNLGLNCS SQLADLYKSC
ETDALINFFA KSAFKAVLHQ PLKVIREILV NQTAHMLACY RKNCASPSAA SQLILPDSMK
VLPVYMNCLL KNCVLLSRPE ISTDERAYQR QLVMTMGVAD SQLFFYPQLL PIHTLDVKST
MLPAAVRCSE SRLSEEGIFL LANGLHMFLW LGVSSPPELI QGIFNVPSFA HINTDMTLLP
EVGNPYSQL RMIMGIIQK RPYSMKLTIV KQREQPEMVF RQFLVEDKGL YGGSSYVDFL
CCVHKEICQL LN **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">• 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). <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:	SEC24D
Alternative Name:	SEC24D (SEC24D Products)
Background:	Protein transport protein Sec24D (SEC24-related protein D),FUNCTION: Component of the coat protein complex II (COPII) which promotes the formation of transport vesicles from the endoplasmic reticulum (ER). The coat has two main functions, the physical deformation of the

Target Details

endoplasmic reticulum membrane into vesicles and the selection of cargo molecules for their transport to the Golgi complex (PubMed:17499046, PubMed:20427317, PubMed:18843296). Plays a central role in cargo selection within the COPII complex and together with SEC24C may have a different specificity compared to SEC24A and SEC24B (PubMed:17499046, PubMed:20427317, PubMed:18843296). May more specifically package GPI-anchored proteins through the cargo receptor TMED10 (PubMed:20427317). May also be specific for IxM motif-containing cargos like the SNAREs GOSR2 and STX5 (PubMed:18843296). {ECO:0000269|PubMed:17499046, ECO:0000269|PubMed:18843296, ECO:0000269|PubMed:20427317}.

Molecular Weight: 113.0 kDa

UniProt: [O94855](#)

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