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Datasheet for ABIN7552493
ATG9B Protein (AA 1-924) (His tag)

Overview

Quantity:	1 mg
Target:	ATG9B
Protein Characteristics:	AA 1-924
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This ATG9B protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Purpose:	Custom-made recombinat ATG9B Protein expressed in mammalian cells.
Sequence:	MVSRMGWGGR RRRLGRWGDL GPGSVPLLPMLPLPPPPPPSC RGPGGGRISI FSLSPAPHTR SSPSSFSPPT AGPPCSVLQG TGASQSCHSA LPIPATPPTQ AQPAMTPASA SPSWGSHTP PLAPATPTPS QQCPQDSPGL RVGPLIPEQD YERLEDCDPE GSQDSPHGE EQQPLLHVPE GLRGSWHHIQ NLDSFFTKIY SYHQRNFGAC ILLEDVFQLG QFIFIVTFTT FLLRCVDYNV LFANQPSNHT RGPFFHSKVT LSDAILPSAQ CAERIRSSPL LVLLLVLAAAG FWLVQLLRV CNLFSYWDIQ VFYREALHIP PEELSSVPWA EVQSRLALQ RSGGLCVQPR PLTELDIHHR ILRYTNYQVA LANKGLLPAR CPLPWGGSAA FLSRGLALNV DLLLFRGPFS LFRGGWELPH AYKRSDQRGA LAARWGRTVL LLAALNLALS PLVLAWQVLH VFYSHVELLR REPGALGARG WSRLARLQLR HFNELPHELRLARLARAYRPA AAF LR TAAPP APLR TLLARQ LVFFAGALFA ALLVLTVYDE DVLAVEHVLT AMTALGVTAT VARSFIPEEQ CQGRAPQLLL QTALAHMHYL PEEPGPGGRD RAYRQMAQLL QYRAVSLLEE LLSPLLTPLF LLFWFRPRAL EIIDFFHHFT

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VDVAGVGDIC SFALMDVKRH GHPQWLSAGQ TEASLSQRAE DGKTELSLMR FSLAHPLWRP
PGHSSKFLGH LWGRVQQDAA AWGATSARGP STPGVLSNCT SPLPEAFLAN LFBVHLLPPR
DLSPTAPCPA AATASLLASI SRIAQDPSSV SPGGTGGQKL AQLPELASAE MSLHVIYLHQ
LHQQQQQQEP WGEAAASILS RPCSSPSQPP SPDEEKPSWS SDGSSPASSP RQQWGTQKAR
NLFPGGFQVT TDTQKEPDRA SCTD **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.**

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, Western Blot

Grade:

custom-made

Target Details

Target:

ATG9B

Alternative Name:

ATG9B ([ATG9B Products](#))

Background:

Autophagy-related protein 9B (APG9-like 2) (Nitric oxide synthase 3-overlapping antisense gene protein) (Protein sONE),FUNCTION: Phospholipid scramblase involved in autophagy by mediating autophagosomal membrane expansion. Cycles between the preautophagosomal structure/phagophore assembly site (PAS) and the cytoplasmic vesicle pool and supplies membrane for the growing autophagosome. Lipid scramblase activity plays a key role in preautophagosomal structure/phagophore assembly by distributing the phospholipids that

Target Details

arrive through ATG2 (ATG2A or ATG2B) from the cytoplasmic to the luminal leaflet of the bilayer, thereby driving autophagosomal membrane expansion (By similarity). In addition to autophagy, also plays a role in necrotic cell death (By similarity).

{ECO:0000250|UniProtKB:Q68FE2, ECO:0000250|UniProtKB:Q7Z3C6}.

Molecular Weight: 101.0 kDa

UniProt: [Q674R7](#)

Application Details

Application Notes: In addition to the applications listed above we expect the protein to work for functional studies as well. 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