

Datasheet for ABIN7555988

VPS39 Protein (AA 1-886) (His tag)



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Overview

Quantity:	1 mg
Target:	VPS39
Protein Characteristics:	AA 1-886
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This VPS39 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant VPS39 Protein expressed in mammalian cells.
Sequence:	<p>MHDAFEPVPI LEKLPLQIDC LAAWEEWLLV GTKQGHLLY RIRKDVVPAD VASPESGSCN</p> <p>RFEVTLKSN KNFSKKIQQI HVVSQFKILV SLENNIYVH DLLTFQQITT VSKAKGASLF</p> <p>TCDLQHTETG EEVLRMCVAV KKKLQLYFWK DREFHELQGD FSVDPVPKSM AWCENSICVG</p> <p>FKRDYYLIRV DGKGSIKELF PTGKQLEPLV APLADGKVAV GQDDLTVVLN EEGICTQKCA</p> <p>LNWTDIPVAM EHQPPIIIV LPRYVEIRTF EPRLLVQSIE LQRPRFITSG GSNIIYVASN</p> <p>HFVWRLIPVP MATQIQQLLQ DKQFELALQL AEMKDDSDSE KQQQIHHIKN LYAFNLFCQK</p> <p>RFDESMQVFA KLGTDPTHVM GLYPDLLPTD YRKQLQYPNP LPVLSGAELE KAHLALIDYL</p> <p>TQKRSQLVKK LNDSDHQSST SPLMEGTPTI KSKKKLLQII DTTLLKCYLH TNVALVAPLL</p> <p>RLENNHCHIE ESEHVLKKAH KYSELIILYE KKGLHEKALQ VLVDQSKKAN SPLKGHERTV</p> <p>QYLQHLGTEN LHLIFSYSVW VLRDFPEDGL KIFTEDLPEV ESLPRDRVLG FLIENFKGLA</p> <p>IPYLEHIIHV WEETGSRFHN CLIQLYCEKV QGLMKEYLLS FPAGKTPVPA GEEEGELGEY</p> <p>RQKLLMFLEI SSYYDPGRLI CDFPFDGLLE ERALLLGRMG KHEQALFIYV HILKDTRMAE</p>

EYCHKHYDRN KDGKNDVYLS LLRMYLSPPS IHCLGPIKLE LLEPKANLQA ALQVLELHHS
KLDTTKALNL LPANTQINDI RIFLEKVL EE NAQKKRFNQV LKNLLHAEFL RVQEERILHQ
QVKCIITEEK VCMVCKKKIG NSAFARYPNG VVVHYFCSKE VNPADT **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:	VPS39
Alternative Name:	VPS39 (VPS39 Products)
Background:	Vam6/Vps39-like protein (TRAP1-like protein) (hVam6p),FUNCTION: Regulator of TGF-beta/activin signaling, inhibiting SMAD3- and activating SMAD2-dependent transcription. Acts by interfering with SMAD3/SMAD4 complex formation, this would lead to inhibition of SMAD3-dependent transcription and relieve SMAD3 inhibition of SMAD2-dependent promoters, thus increasing SMAD2-dependent transcription. Does not affect TGF-beta-induced SMAD2 or

Target Details

SMAD3 phosphorylation, nor SMAD2/SMAD4 complex formation.

{ECO:0000269|PubMed:12941698}, FUNCTION: Plays a role in vesicle-mediated protein trafficking to lysosomal compartments including the endocytic membrane transport and autophagic pathways. Acts as a component of the putative HOPS endosomal tethering complex which is proposed to be involved in the Rab5-to-Rab7 endosome conversion probably implicating MON1A/B, and via binding SNAREs and SNARE complexes to mediate tethering and docking events during SNARE-mediated membrane fusion. The HOPS complex is proposed to be recruited to Rab7 on the late endosomal membrane and to regulate late endocytic, phagocytic and autophagic traffic towards lysosomes (PubMed:23351085). Involved in homotypic vesicle fusions between late endosomes and in heterotypic fusions between late endosomes and lysosomes (PubMed:11448994, PubMed:23351085, PubMed:23167963). Required for fusion of endosomes and autophagosomes with lysosomes (PubMed:25783203). {ECO:0000269|PubMed:11448994, ECO:0000269|PubMed:23167963, ECO:0000269|PubMed:25783203, ECO:0000269|PubMed:33422265, ECO:0000305|PubMed:23351085}.

Molecular Weight: 101.8 kDa

UniProt: [Q96JC1](#)

Pathways: [SARS-CoV-2 Protein Interactome](#)

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