

Datasheet for ABIN7556006

VPS26B Protein (AA 1-336) (His tag)



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Overview

Quantity:	1 mg
Target:	VPS26B
Protein Characteristics:	AA 1-336
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This VPS26B protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant VPS26B Protein expressed in mammalian cells.
Sequence:	<p>MSFFGFGQSV EVEILLNDAE SRKRAEHKTE DGKKEYFLF YDGETVSGKV SLALKNPNKR</p> <p>LEHQGIKIEF IGQIELYYDR GNHHEFVSLV KDLARPGEIT QSQAQDFEFT HVEKPYESYT</p> <p>GQNVKLRYFL RATISRRRLND VVKEMDIVVH TLSTYPELNS SIKMEVGIED CLHIEFEYNK</p> <p>SKYHLKDVIV GKIYFLLVRI KIKHMEIDII KRETTGTGPN VYHENDTIAK YEIMDGAPVR GESIPIRLFL</p> <p>AGYELTPTMR DINKKFSVRY YLNLVLIDEE ERRYFKQQEV VLWRKGDIVR KSMASHQAAIA</p> <p>SQRFEGTSSL GEVRTPSQLS DNNCRQ 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.</p>
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:

Product Details

- 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:	VPS26B
Alternative Name:	VPS26B (VPS26B Products)
Background:	<p>Vacuolar protein sorting-associated protein 26B (Vesicle protein sorting 26B),FUNCTION: Acts as a component of the retromer cargo-selective complex (CSC). The CSC is believed to be the core functional component of retromer or respective retromer complex variants acting to prevent missorting of selected transmembrane cargo proteins into the lysosomal degradation pathway. The recruitment of the CSC to the endosomal membrane involves RAB7A and SNX3. The SNX-BAR retromer mediates retrograde transport of cargo proteins from endosomes to the trans-Golgi network (TGN) and is involved in endosome-to-plasma membrane transport for cargo protein recycling. The SNX3-retromer mediates the retrograde transport of WLS distinct from the SNX-BAR retromer pathway. The SNX27-retromer is believed to be involved in endosome-to-plasma membrane trafficking and recycling of a broad spectrum of cargo proteins. The CSC seems to act as recruitment hub for other proteins, such as the WASH complex and TBC1D5. May be involved in retrograde transport of SORT1 but not of IGF2R. Acts redundantly with VSP26A in SNX-27 mediated endocytic recycling of SLC2A1/GLUT1 (By similarity). {ECO:0000250 UniProtKB:O75436, ECO:0000250 UniProtKB:Q8C0E2}.</p>

Target Details

Molecular Weight:	39.2 kDa
UniProt:	Q4G0F5
Pathways:	Cellular Glucan Metabolic Process

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