

Datasheet for ABIN7555999  
**VPS4B Protein (AA 1-444) (His tag)**



[Go to Product page](#)

## Overview

Quantity:	1 mg
Target:	VPS4B (vps4b)
Protein Characteristics:	AA 1-444
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This VPS4B protein is labelled with His tag.

## Product Details

Purpose:	Custom-made recombinant VPS4B Protein expressed in mammalian cells.
Sequence:	MSSTSPNLQK AIDLASKAAQ EDKAGNYEEA LQLYQHAVQY FLHVVKYEAQ GDKAKQSIRA KCTEYLDRAE KLKEYLKNKE KKAQKPVKEG QPSPADEKGN DSDGEGESDD PEKKKLQNQL QGAIVIERPN VKWSDVAGLE GAKEALKEAV ILPIKFPHLF TGKRTPWIRGI LLFGPPGTGK SYLAKAVATE ANNSTFFSIS SSDLVSKWLG ESEKLVKNLF QLARENKPSI IFIDEIDSLC GSRSENESEA ARRIKTEFLV QMQGVGVDND GILVLGATNI PWVLDASAIRR RFEKRIYIPL PEPHARAAMF KLHLGTTQNS LTEADFRELG RKTDGYSGAD ISIVRDALM QPVRKVQSAT HFKKVRGPSR ADPNHLVDDL LTPCSPGDPG AIEMTWMDVP GDKLLEPVVS MSDMLRSLSN TKPTVNEHDL LKLKFTEDF GQEG <b>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.</b>
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.

## Product Details

---

### 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:

VPS4B (vps4b)

---

### Alternative Name:

VPS4B ([vps4b Products](#))

---

### Background:

Vacuolar protein sorting-associated protein 4B (EC 3.6.4.6) (Cell migration-inducing gene 1 protein) (Suppressor of K(+) transport growth defect 1) (Protein SKD1),FUNCTION: Involved in late steps of the endosomal multivesicular bodies (MVB) pathway. Recognizes membrane-associated ESCRT-III assemblies and catalyzes their ATP-dependent disassembly, possibly in combination with membrane fission (PubMed:18687924). Redistributes the ESCRT-III components to the cytoplasm for further rounds of MVB sorting. MVBs contain intraluminal vesicles (ILVs) that are generated by invagination and scission from the limiting membrane of the endosome and mostly are delivered to lysosomes enabling degradation of membrane proteins, such as stimulated growth factor receptors, lysosomal enzymes and lipids. VPS4A/B are required for the exosomal release of SDCBP, CD63 and syndecan (PubMed:22660413). {ECO:0000269|PubMed:11563910, ECO:0000269|PubMed:18687924, ECO:0000269|PubMed:22660413}., FUNCTION: (Microbial infection) In conjunction with the ESCRT machinery also appears to function in topologically equivalent membrane fission

## Target Details

---

events, such as the terminal stages of cytokinesis and enveloped virus budding (HIV-1 and other lentiviruses). {ECO:0000269|PubMed:14505570, ECO:0000269|PubMed:16193069, ECO:0000269|PubMed:18606141}.

Molecular Weight: 49.3 kDa

UniProt: [O75351](#)

Pathways: [Microtubule Dynamics, CXCR4-mediated Signaling Events](#)

## 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