

Datasheet for ABIN2735432

**VPS4B Protein (Myc-DYKDDDDK Tag)****1** Image[Go to Product page](#)

## Overview

|                               |                                                       |
|-------------------------------|-------------------------------------------------------|
| Quantity:                     | 20 µg                                                 |
| Target:                       | VPS4B (vps4b)                                         |
| Origin:                       | Human                                                 |
| Source:                       | HEK-293 Cells                                         |
| Protein Type:                 | Recombinant                                           |
| Purification tag / Conjugate: | This VPS4B protein is labelled with Myc-DYKDDDDK Tag. |
| Application:                  | Antibody Production (AbP), Standard (STD)             |

## Product Details

|                  |                                                                                                                                                              |
|------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Characteristics: | <ul style="list-style-type: none"><li>• Recombinant human VPS4B protein expressed in HEK293 cells.</li><li>• Produced with end-sequenced ORF clone</li></ul> |
| Purity:          | > 80 % as determined by SDS-PAGE and Coomassie blue staining                                                                                                 |

## Target Details

|                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|-------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Target:           | VPS4B (vps4b)                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Alternative Name: | Vps4b ( <a href="#">vps4b Products</a> )                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Background:       | The protein encoded by this gene is a member of the AAA protein family (ATPases associated with diverse cellular activities), and is the homolog of the yeast Vps4 protein. In humans, two paralogs of the yeast protein have been identified. The former share a high degree of aa sequence similarity with each other, and also with yeast Vps4 and mouse Skd1 proteins. Mouse Skd1 (suppressor of K <sup>+</sup> transport defect 1) has been shown to be a yeast Vps4 ortholog. |

## Target Details

Functional studies indicate that both human paralogs associate with the endosomal compartments, and are involved in intracellular protein trafficking, similar to Vps4 protein in yeast. The gene encoding this paralog has been mapped to chromosome 18 the gene for the other resides on chromosome 16.

Molecular Weight: 49.1 kDa

NCBI Accession: [NP\\_004860](#)

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

## Application Details

Application Notes: Recombinant human proteins can be used for:  
Native antigens for optimized antibody production  
Positive controls in ELISA and other antibody assays

Comment: The tag is located at the C-terminal.

Restrictions: For Research Use only

## Handling

Concentration: 50 µg/mL

Buffer: 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10 % glycerol.

Storage: -80 °C

Storage Comment: Store at -80°C. Thaw on ice, aliquot to individual single-use tubes, and then re-freeze immediately. Only 2-3 freeze thaw cycles are recommended.



Western Blotting

**Image 1.** Validation with Western Blot