

## **Product datasheet for TP308019**

## OriGene Technologies, Inc.

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## VPS4B (NM\_004869) Human Recombinant Protein

**Product data:** 

**Product Type:** Recombinant Proteins

**Description:** Recombinant protein of human vacuolar protein sorting 4 homolog B (S. cerevisiae) (VPS4B), 20

μg

Species: Human Expression Host: HEK293T

**Expression cDNA Clone** >RC208019 protein sequence or AA Sequence: Red=Cloning site Green=Tags(s)

MSSTSPNLQKAIDLASKAAQEDKAGNYEEALQLYQHAVQYFLHVVKYEAQGDKAKQSIRAKCTEYLDRAE KLKEYLKNKEKKAQKPVKEGQPSPADEKGNDSDGEGESDDPEKKKLQNQLQGAIVIERPNVKWSDVAGLE GAKEALKEAVILPIKFPHLFTGKRTPWRGILLFGPPGTGKSYLAKAVATEANNSTFFSISSSDLVSKWLG ESEKLVKNLFQLARENKPSIIFIDEIDSLCGSRSENESEAARRIKTEFLVQMQGVGVDNDGILVLGATNI PWVLDSAIRRRFEKRIYIPLPEPHARAAMFKLHLGTTQNSLTEADFRELGRKTDGYSGADISIIVRDALM QPVRKVQSATHFKKVRGPSRADPNHLVDDLLTPCSPGDPGAIEMTWMDVPGDKLLEPVVSMSDMLRSLSN

TKPTVNEHDLLKLKKFTEDFGQEG

**TRTRPL**EQKLISEEDLAANDILDYKDDDDK**V** 

Tag: C-Myc/DDK
Predicted MW: 49.1 kDa

Concentration: >0.05 µg/µL as determined by microplate BCA method

**Purity:** > 80% as determined by SDS-PAGE and Coomassie blue staining

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

**Preparation:** Recombinant protein was captured through anti-DDK affinity column followed by conventional

chromatography steps.

**Note:** For testing in cell culture applications, please filter before use. Note that you may experience

some loss of protein during the filtration process.

Storage: Store at -80°C.

Stability: Stable for 12 months from the date of receipt of the product under proper storage and

handling conditions. Avoid repeated freeze-thaw cycles.





**RefSeq:** NP 004860

**Locus ID:** 9525

UniProt ID: <u>075351</u>, <u>A0A024R2C5</u>

RefSeq Size: 3396

Cytogenetics: 18q21.33

RefSeg ORF: 1332

Synonyms: MIG1; SKD1; SKD1B; VPS4-2

Summary: 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+ transport defect 1) has been shown to be a yeast Vps4 ortholog. Functional studies indicate that both human paralogs associate with the endosomal

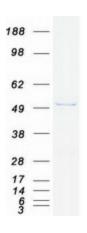
compartments, and are involved in intracellular protein trafficking, similar to Vps4 protein in yeast. The gene encoding this paralog has been mapped to chromosome 18; the gene for the

other resides on chromosome 16. [provided by RefSeq, Jul 2008]

**Protein Families:** Transcription Factors

**Protein Pathways:** Endocytosis

## **Product images:**



Coomassie blue staining of purified VPS4B protein (Cat# TP308019). The protein was produced from HEK293T cells transfected with VPS4B cDNA clone (Cat# [RC208019]) using MegaTran 2.0 (Cat# [TT210002]).