

Product datasheet for PH308019

OriGene Technologies, Inc.

9620 Medical Center Drive, Ste 200 Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com CN: techsupport@origene.cn

VPS4B (NM 004869) Human Mass Spec Standard

Product data:

Product Type: Mass Spec Standards

Description: VPS4B MS Standard C13 and N15-labeled recombinant protein (NP_004860)

Species: Human **HEK293 Expression Host:**

Expression cDNA Clone

or AA Sequence:

RC208019

Predicted MW:

49.3 kDa

>RC208019 protein sequence **Protein Sequence:**

Red=Cloning site Green=Tags(s)

MSSTSPNLQKAIDLASKAAQEDKAGNYEEALQLYQHAVQYFLHVVKYEAQGDKAKQSIRAKCTEYLDRAE KLKEYLKNKEKKAQKPVKEGQPSPADEKGNDSDGEGESDDPEKKKLQNQLQGAIVIERPNVKWSDVAGLE GAKEALKEAVILPIKFPHLFTGKRTPWRGILLFGPPGTGKSYLAKAVATEANNSTFFSISSSDLVSKWLG ESEKLVKNLFQLARENKPSIIFIDEIDSLCGSRSENESEAARRIKTEFLVQMQGVGVDNDGILVLGATNI PWVLDSAIRRRFEKRIYIPLPEPHARAAMFKLHLGTTQNSLTEADFRELGRKTDGYSGADISIIVRDALM QPVRKVQSATHFKKVRGPSRADPNHLVDDLLTPCSPGDPGAIEMTWMDVPGDKLLEPVVSMSDMLRSLSN

TKPTVNEHDLLKLKKFTEDFGQEG

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

C-Myc/DDK Tag:

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

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

Labeling Method: Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-Lysine

Buffer: 25 mM Tris-HCl, 100 mM glycine, pH 7.3

Store at -80°C. Avoid repeated freeze-thaw cycles. Storage:

Stable for 3 months from receipt of products under proper storage and handling conditions. Stability:

RefSeq: NP 004860

RefSeg Size: 3396 RefSeq ORF: 1332

MIG1; SKD1; SKD1B; VPS4-2 Synonyms:





Locus ID: 9525

UniProt ID: 075351, A0A024R2C5

Cytogenetics: 18q21.33

Summary: The protein encoded by this gene is a member of the AAA protein family (ATPases associated

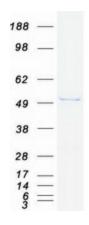
with diverse cellular activities), and is the homolog of the yeast Vps4 protein. In humans, two paralogs of the yeast protein have been identified. The former share a high degree of aa sequence similarity with each other, and also with yeast Vps4 and mouse Skd1 proteins. Mouse Skd1 (suppressor of K+ 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]).