

Product datasheet for TP308019M

VPS4B (NM_004869) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human vacuolar protein sorting 4 homolog B (<i>S. cerevisiae</i>) (VPS4B), 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC208019 protein sequence Red=Cloning site Green=Tags(s)

MSSTSPNLQKAIDLASKAAQEDKAGNYEEALQLYQHAVQYFLHWVKYEAQGDKAKQSIRAKCTEYLDRAE
KLKEYLKNKEKKAQKPVKEGQPSPADEKGNDSGDGEGESDDPEKKKLQNLQGAIVERPNNKWSVDVAGLE
GAKEALKEAVILPIKPHLFTGKRTPWRGILLFGPPGTGKSYLAKAVATEANNSTFFSISSSDLVSKWLG
ESEKLVKNLFLARENKPSIIFIDEIDSLCGSRSENESEAARRIKTEFLVQM QGVGVDNDGILVLGATNI
PWVLD SAIRRRFEKRIYIPLPEPHARAAMFKLHLGTTQNSLTEADFRELGRKTDGYSGADISIIVRDALM
QPVRKVQSATHFKKVRGPSRADPNHLVDDLLTPCSPGDPGAIEMTWMDVP GDKLLPEVVSMSDMLRSLSN
TKPTVNEHDLLKLLKFTEDFGQEG

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

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.



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RefSeq: [NP_004860](#)

Locus ID: 9525

UniProt ID: [O75351](#), [A0A024R2C5](#)

RefSeq Size: 3396

Cytogenetics: 18q21.33

RefSeq 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]).