

## Product datasheet for TP308019M

### VPS4B (NM\_004869) Human Recombinant Protein

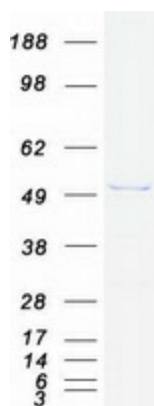
#### Product data:

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 <span style="color: red;">Red</span> =Cloning site <span style="color: green;">Green</span> =Tags(s)  MSSTSPNLQKAIDLASKAAQEDKAGNYEEALQLYQHAVQYFLHWVKYEAQGDKAKQSIRAKCTEYLDRAE KLKEYLKNKEKKAQKPVKEGQPSADEKGNDSGEGESDDPEKKKLQNQLQGAIVIERPNVKWSDVAGL E GAKEALKEAVILPIKFPHLFTGKRTPWARGILLFGPPGTGKSYLAKAVATEANNSTFFSISSSDLVSKWLG ESEKLVKNLFQLARENKPSIIFIDEIDSLCGSRSENESEAARRIKTEFLVQMQQGVGDNDGILVLGATNI PWVLDSAIRRRFEKRIYIPLPEPHARAAMFKLHLGTTQNSLTEADFRELGRKTDGYSGADISIIVRDALM QPVRKVQSATHFKKVRGSPRADPNHLVDDLLTPCSPGDPGAIENTWMDVPGDKLLEPVVMSDMLRSL SN TKPTVNEHDLLKLLKFTEDFGQEG  <span style="color: red;">TR</span> <span style="color: green;">TRPLEQKLISEEDLAANDILDYKDDDDKV</span>
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.


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<b>Stability:</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>RefSeq:</b>	<u>NP_004860</u>
<b>Locus ID:</b>	9525
<b>UniProt ID:</b>	<u>O75351</u>
<b>RefSeq Size:</b>	3396
<b>Cytogenetics:</b>	18q21.33
<b>RefSeq ORF:</b>	1332
<b>Synonyms:</b>	MIG1; SKD1; SKD1B; VPS4-2
<b>Summary:</b>	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. 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]
<b>Protein Families:</b>	Transcription Factors
<b>Protein Pathways:</b>	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]).