

## Product datasheet for **SC216509**

### VPS4B (NM\_004869) Human 3' UTR Clone

#### Product data:

Product Type:	3' UTR Clones
Product Name:	VPS4B (NM_004869) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	VPS4B
Synonyms:	MIG1; SKD1; SKD1B; VPS4-2
ACCN:	NM_004869
Insert Size:	1815 bp



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**Insert Sequence:** >SC216509 3'UTR clone of NM\_004869  
 The sequence shown below is from the reference sequence of NM\_004869. The complete sequence of this clone may contain minor differences, such as SNPs.  
 Blue=Stop Codon Red=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
TTTACAGAAGATTTTGGTCAAGAAGGCTAAGCCAAAGACAAGGAAGATGCTTACCATATGTATTCTTTC
TTTCATAGATATTTTGTCTATTTGGATCGCATTAAATTGTTTCCAGTAAAACCTTTTACCACAGGGAA
ATACACATCTCACTTCAGAGTTCATTAGGTTTTATATTGTACTTTTCTCCATTACTTATTAATACT
CCTATTAACAAAAGGTACAAAATAACAGGTTATGAGGAAATGAGCGATATATGAACGGCATAAAAACAG
AAATTACCCAGTAAAAGGATGTCAGAAATTGACATACAAATATTTACAATTTTTATGAATGGTGGTCT
TTGCAAAGAGCATTATATTTTCTTTTTTTTACTAAAATGATATAGGGTTTATTTTATATTTTCAA
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TACTCAGGGATGGGCAATAAACAGCAAAGAGCTTTGTGATTGGGTTTAAAAGATTTTGAATTATAGA
CAGTGCTCTTAATAGTTTTAATAAGTTGATATTTTTTCTGTGTAGATTTAAATAATTTCTTTAAAG
CGTAAGCTTTGGCTGGGCATGGTGGCTTATGCCTGTAATCCCAGCACTTTGGGAGGCTACGATGGGTGG
ATCACCTGAGGTCAGGAGTTCAAGACCAGTCTGGCCAACATGGTGAATGCCGTCTCTACTAAAAATAC
AAAAATTAGCTGGGCATGATGGCGAGTGTCTGTAATCCCAGCTACTCAGGAGGCTGAGGCGGGAGAATC
ACTTGAACCTGGGAGGCAGAGGTTGAGTGAGCTGAGATCGCGCTACTGCATTCCAGCCTGGGCGCCGA
GATAGCGCCATTGCACTCCAGCCTGGGCGACTGAATAAACTCTGTCTCAAAAAAAAAACAAAACGGTA
AGCTTTTATATTTAATTAACGTACCTTTCACTGTGCAATCTCAAGAGGAAGATTTTCTAAATTAGAC
ATTGCTTTACCTTAAAGAAGAAAATTGTCTATTTCAAGTGTCTTTTTAGCAAGATTGACCAAAAACAGG
TGGTAGGTGTGTAATTTTTAACTGTCATGAAATACTGTAATGCGCACCTTTGCTAATAAGGAAATGGTC
TCCTTTGAATTATGGGAAGTTTCTGTCTGTGATATGGGGTGTCTGTGTACATATATGTATATTTCT
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ACCACACATATGTTATCAGTGAATGCTTTATGAAGCTTTAGAAATGAGCTCATGACTCATTAAAAAT
AATAAACGATGCTATTTAATATTTCAAATAAATAATCTGAGGATGTGTTTCATACTTTAGCATCAAC
GCTGAGTTGTGCCTGTAGAATTGCATTGTCTATACATGCAAAAGACTATTAAGTTAGGATGAAGTGA
TTCCCTAATTACAGTGAATTTCTATCTTGCAAATGCTATAGAATAACTTGCATTTTAAAGTGTATTTGC
ACATTTTACATATGCTATGTGGTTGCCTTTGGGTTTTCTGTACAGATTGTTTTTGTATTAAATGGAAA
AGGCCTGAATTATGCTCTTATGTGAAGTAAATTGATATAACCTATTGACTGTATTCTGTGTATTATCT
TTATTTTGGGACCTTCTGTGTAAAAGAAAATATTACCTAAATTGGTTAGATACAAAGAAATCATTAAAA
TTATTAATGTATATATGAAAA
ACGCGTAAAGCGCCGCGGCATCTAGATTCAAGAAAATGACCGACCAAGCGACGCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
  
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**Restriction Sites:** Sgfl-MluI

**OTI Disclaimer:** Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences, e.g., single nucleotide polymorphisms (SNPs).

**Components:** The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.

**RefSeq:** [NM\\_004869.4](#)

**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<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]

**Locus ID:**

9525

**MW:**

71.6