

Product datasheet for **SC324083**

VPS4B (NM_004869) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	VPS4B (NM_004869) Human Untagged Clone
Tag:	Tag Free
Symbol:	VPS4B
Synonyms:	MIG1; SKD1; SKD1B; VPS4-2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_004869.3
 GGAGAGAGTGTGTCTAAACAAGTTCCGGAAGGGAGGCTGCCCTTCGCGGTCCGAGAAC
 CACCGGCTCCCCAGTTTGAGGGCTGTTACCCCGTGCGCGCTTCGACGTTGCTGTGTTG
 GCTCTCTCGCCCTCGTTCCCTTGGGAACCGCTGGAACTCCGCCATGTCATCCACTT
 CGCCAACCTCCAGAAAGCGATAGATCTGGCTAGCAAAGCAGCGCAAGAAGACAAGGCTG
 GAAACTACGAAGAAGCCCTTCAGCTCTATCAGCATGCTGTGCAGTATTTTCTTCATGCG
 TTAATATGAAGCACAGGGTGATAAAGCCAAGCAAAGTATCAGGGCAAAGTGTACAGAAT
 ATCTTGATAGAGCAGAAAACTAAAGGAGTACCTGAAAAATAAAGAGAAAAAAGCACAGA
 AGCCAGTGAAAGAAGGACAGCCGAGTCCAGCAGATGAGAAGGGGAATGACAGTGATGGGG
 AAGGAGAATCTGATGATCCTGAAAAAAGAACTACAGAATCAACTTCAAGGTGCCATTG
 TTATAGAACGACCAAAATGTGAAATGGAGTGACGTTGCTGGACTTGAAGGAGCCAAAGAAG
 CACTGAAAGAGGCTGTGATACTGCCTATTAATTTCTCATCTTTTTACAGGCAAGAGAA
 CACCTTGGAGGGGAATCCTATTATTTGGGCCGCTGGAACAGGAAAGTCTACTTAGCCA
 AAGCTGTAGCAACAGAAGCCAACAACACTCAACATTTTTTCAATATCTTCTCTGATCTTG
 TTTCTAAGTGGCTAGGTGAAAGTAAAACTGGTTAAGAATTTATCCAAGTCCAGAG
 AGAACAAAGCCCTCCATTATCTTATTGATGAAATTGATTCTCTGTGGTTCAAGAAGTG
 AAAATGAAAGTGAAGCCGCACGTAGAATTAAGACGGAGTTCCTAGTGCAATGCAAGGGG
 TTGGTGTAGACAATGATGGAATTTGGTCTGGGAGCTACAAATATACCTGGGTCTGG
 ATTCTGCCATTAGGCGAAGATTTGAGAAACGAATTTATATCCCTTGCCGGAACCCCATG
 CCCGAGCAGCAATGTTTAACTGCACCTAGGGACCACTCAGAACAGTCTCACGGAAGCAG
 ACTTTCGGGAACCTGGGAGGAAAACAGATGGTTATTCAGGGCAGATATAAGTATCATTG
 TACGTGATGCCCTTATGCAGCCTGTTAGGAAAGTACAGTCAGCTACTCATTTTAAAAAGG
 TTCGCGGACCTTCCCGAGCTGATCCTAACCATCTGTAGATGATCTGCTAACACCTTGCT
 CTCAGGTGACCCTGGTGCCATTGAAATGACATGGATGGATGTCCTGGAGATAAACTTT
 TGGAGCCAGTTGTTCCATGTCGATATGTTGCGGTCACTATCTAACACAAAACCTACAG
 TCAATGAACATGACTTGTGAAATTAAGAAGTTTACAGAAGATTTTGGTCAAGAAGGCT
 AAGCCAAAGACAAGGAAGATGCTTACCATATGATTCTTTCTTTCATAGATATTTTTGTC
 TATTTGGATCGCATTAAATGTTTCCAGTAAAACCTTTTACCACAGGGAAATACACATCT
 CACTTCAGAGTCCATTAGGTTTTATATTGTACTTTTCTCCATTACTTATTAATACTC
 CTATTAACAAAAGGTACAAAATAACAGGTTATGAGGAAATGAGCGATATATGAACGGCAT
 AAAACAGAAATTACCCAGTAAAAGGATGTCAGAAATTGACATACAAATATTTACAATT
 TTTATGAATGGTGGTCTTTGCAAAGAGCATTATATTTCTTTTTTTTTACTAAATGA
 TATAGGGTTTATTTATATTTTCAAAAAAATTGTTAAACATCATTCTTATCAATGTA
 TTTACGTTATTAATAAATTAACAATGATAGAATCTTTACTCAGGGATGGGCAATAAAACA
 GCAAAGAGCTTTGTGATTGGGTTTGAAGATTTTGAATTATAGACAGTGCTTAAATAGT
 TTTTAATAAGTTGATATTTTTTCTGTGTAGATTTAAATAATTTCTTTAAAGCGTAAGC
 TTTGGCTGGGCATGGTGGCTTATGCCTGTAATCCCAGCACTTTGGGAGGCTACGATGGGT
 GGATCACCTGAGGTGAGGTTCAAGACCAGTCTGGCCAACATGGTGAATGCCGCTCTCT
 ACTAAAAAAAAAAAAAAAAA

Restriction Sites: ECoRI-NOT

ACCN: NM_004869

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	<ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	<u>NM_004869.3</u> , <u>NP_004860.2</u>
RefSeq Size:	3396 bp
RefSeq ORF:	1335 bp
Locus ID:	9525
UniProt ID:	<u>O75351</u>
Cytogenetics:	18q21.33
Domains:	AAA, AAA, MIT
Protein Families:	Transcription Factors
Protein Pathways:	Endocytosis
Gene Summary:	<p>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]</p>