

Product datasheet for **SC209710**

VPS4A (NM_013245) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	VPS4A (NM_013245) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	VPS4A
Synonyms:	CIMDAG; SKD1; SKD1A; SKD2; VPS4; VPS4-1
ACCN:	NM_013245
Insert Size:	2000 bp



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Insert Sequence: >SC209710 3'UTR clone of NM_013245
 The sequence shown below is from the reference sequence of NM_013245. 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
TTCTCAGAGGACTTTGGCAAGAGAGTTAAAGCTGCTTCACTTGGGCAATGGTGAAGTGGGAGGTTG
ATTGGGGCAAATCCAGGCACTCCCATGTCAACAGCCAGACAGGGCTCCAGGGCTTGTCCCAAGTCAATA
CAGAGTCCCTCTGCTGTCTGGCCGTCTGCCAGGGAGCCAGAAGGAAGGGCCTTGACGCCACAGAGACA
CTCCACTGCCCTGGGGCACACAGTGGACTGCTTCTTCTACTTCTCTCTCTGGATGCTCATCAGC
TCCTTCTGCTCCCCCTTTTTTTTCCATCTTTTGTCCCTAAATTAATGCTGCTTGGATTTTCATC
TTATTTATAAAGATAAAATCACCTGGAAGTGTCAAGGAGTGGGGCGGGTGGCGGGGAGAAGCAGCCG
TGCTGCCAGGTACCCAGACCTCCAGACAGCCGGCTAGCCCCACTGCCGTTCTTTTACGCCCAAGTT
TTGCTCCTTGAGAGCAGATTGGCTGATGCCCTGCAACCCAGCCCAAGCTCTGCCTCAAAGACCGAGT
GACATAAGCCATTCCCACCTCCTAGGTTACATCCAGGGCTGTGCTTCTCTGGGGGAGGAGATGGTG
TCGTTTAGATCAGGGTAAGGCAGTCAGGCGGGTTCACCACTGCCTTTTCTTCTCTGAGCGTGAGAA
CACTGAACCCAGCCACTGCCCTGGGTCCCTGTCTGAAATGGTCTAATAAATCCTTTTCCCTTCTTG
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TGCGTACCAGACCCGCTCCTGCAGCTGTGTTTGTGTTTGGTCTGCCGTAACATTTAAAAGTCGAGA
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TTGCTGGGCGCGGTGGCTCACGCCTGTAATCCCAGCACTTTGGGAGGCCGACGCGGGCGGATCACAAAG
TCAGGAAATCGAGAACATCCTGGCTAACACAGTGAACCCCGTCTCACTAAAAATAAAAAATAGCCG
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TCTCAAAAAAAAAAAAAAGTCGAGAGTTGACATAAAAAATCAGAATTCTGACTTCTAGAAGATTAAT
TAGGTAATGTTGGCCTGCGTCTCATGGGCGAGCCTGTCAGCGGCCACTAAGTAGAGGCTGCTCTGTA
CAGAAGGGGTCCCCATCCCCTCATCTGTGTTGCTGCCAGATAGCCCCATGGCCATTTTCAGTTTG
CGACCCCAACAGACCAAGGACCCAGAGCTGGCAGCCCTGGACCCACGTCGCGCAGGCAGTGAAGCTGC
AGAGGCTGTCCCACGTTTACCCCATGCATATAAACAGACCAAAGTCAAAGCACATTCACACAGAAAGAC
CTGGCCTAGTAAATGAAGCTTATAGCCTGCAAAGGGCTTTGTTCCAACCTTCCCTCTCCAAAACCCAGT
ACTGCTCCTTACCTTTCAAACCTGGTTGGGCCAGAACTGATTACATGGCCAACCTTTGGCTCACACTG
GGCTTGCACTGGGCCATTTCTTGTCTGGTTCAGAGCCTCTGCAGAAGTGAAGTAACTTTGGATCAG
ACGCGTAAAGCGGCCGCGCATCTAGATTCAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
  
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Restriction Sites: SgfI-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_013245.3](#)

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. The mouse Skd1 (suppressor of K⁺ transport defect 1) has been shown to be really an 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 16; the gene for the other resides on chromosome 18. [provided by RefSeq, Jul 2008]

Locus ID:

27183

MW:

72.4