

Product datasheet for **MC216423**

Vipas39 (NM_001142581) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Vipas39 (NM_001142581) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Vipas39
Synonyms:	6720456H09Rik; 9330175H22Rik; AI413782; hSPE-39; SPE-39; Spe39; Vipar
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC216423 representing NM_001142581
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAACCGGACAAAAGGTGATGAGGAGGAATATTGGAACAGCTCCAAGTTC AAGGCTTTCACTTTTGATG
 ATGAAGATGATGAGCTCTCACAGTTAAAGGAATCCAAACGCGCAGTGAATAGCCTTCGAGACATCGTGGA
 TGACGACGATGACGATGACCTGGAGAGAGTCACTGGACTGGAGAACCTGTGGGAAGTATCTCATGGTCC
 ATCAAAGAGACTGCTGGGAGTAGCGGGTCAACCCCTGAGGGACGTGAACAGCTAAAGGGCCGAAACAGCT
 TCTACACACAGCTACCCAAACCTCCTTCTACTTACTCCCTCAGCAGCTTCTTCAGAGGTAGAAGTACAGC
 TGGGAGTTTCCAGTCCCTTTCTGATGCTCTGTGACACACCTGCCAAAAGTTATGCTCCAGAGCTGGGG
 AGGCCTAAGGGAGAATACAGGGTCTGTTACTAGAGCGCTTCCGCTCCCTCCAGGATAAGCTGCAGCTCC
 TAGAGGAGGCAGTAAGCATGCATGATGGGAACGTCATCACTGCAGTTCTGATCTTCTGAAGAGGACCT
 GAGCAAAGAGATCCTTTTTCGAGAGCTGGAGGTACGCCAGTGCAGTGCAGATCTCATTCAATTTCTT
 AAAGAAATAGGGGACAAAAGCTGCTTTTAGATCTTTCAGGTTCTAGATAGAGCAGAAGAAGTGGCGC
 TATCCCATTATCGAGAGCACTTGAACATTCAGGACCTGAAAAACGAAAAGAATTTCTTAAGACTTGCAT
 TGGTTTGCCATTTTCAGCAGAAGACGCTGCGCATGTACAAGACCATTACACCCTGCTGGAGCGCCAGATC
 ATCATCGAGGCAAACGACCGGCACCTGGAGTCTTCAGGGCAGACTGATATCTTCCGGAAGCACCCCGTA
 AAGCTTCCATTCTCAACATGCCGTTAGTGACGACACTCTTCTACGCTGCTTCTATCACTACACGGAGTC
 TGAGGGAACCTTCAGCAGTCCCATCAACCTGAAGAAAACATTCAAGATCCCAGACAAACAGTATGTGCTG
 ACAGCCTTGGCTGCGCGTGCCAAGCTGAGAGCCTGGAATGACGTTGATGCCCTGTTCAACACAAAGAAGT
 GGTTGGGTTACACCAAGAAGAGAGCACCCATTGGCTTCCATCGAGTTGTGGAAATTTTGCACAAGAAGCAG
 TGCCCTGTCCAGATACTGCAGGAATATGTCAATCTGGTGGAAAGATGTGGACACCAAGTTGAAGTTAGCT
 ACTAAGTTCAAGTGCCATGATGTCGTCATTGATACTTGCCGAGACCTGAAGGATCGTCAGCAGTTGCTTG
 CATACAGGAGCAAAGTAGACAAAGGATCCGCCGAGGAAGAGAAGATTGACGCCATTCTCAGCAGCTCGCA
 AATTCGATGGAAGAACTAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001142581

Insert Size: 1419 bp

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).

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:

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: [NM_001142581.1](#), [NP_001136053.1](#)

RefSeq Size: 2495 bp

RefSeq ORF: 1419 bp

Locus ID: 104799

UniProt ID: [Q8BGQ1](#)

Cytogenetics: 12 D2

Gene Summary: Proposed to be involved in endosomal maturation implicating in part VPS33B. In epithelial cells, the VPS33B:VIPAS39 complex may play a role in the apical RAB11A-dependent recycling pathway and in the maintenance of the apical-basolateral polarity (PubMed:20190753). May play a role in lysosomal trafficking, probably via association with the core HOPS complex in a discrete population of endosomes; the functions seems to be independent of VPS33B (By similarity). May play a role in vesicular trafficking during spermatogenesis (By similarity). May be involved in direct or indirect transcriptional regulation of E-cadherin.[UniProtKB/Swiss-Prot Function]

Transcript Variant: This variant (2) lacks an in-frame exon in the coding region, compared to variant 1. It encodes isoform b, which is shorter than isoform a. Variants 2 and 3 both encode isoform b. Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.