

Product datasheet for **MC224457**

Vps8 (NM_001081366) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Vps8 (NM_001081366) Mouse Untagged Clone
Tag: Tag Free
Symbol: Vps8
Synonyms: AI315068; AU040738; mKIAA0804
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC224457 representing NM_001081366
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGAACCTGAACCAGACCAGGAGCATTGGACCAGAACCCGTGCGCCAGGACTGTGGAAGAAGAGTTGA
GCAAGTCTTTAATTTAGAAGCTCCCTTTCAAATTCTCTTGCCTAGATCTGGATAAGGAGCTGGAGTT
CAGAAGTGACCTGATCGATGACAAGGAGTTTGATATTCCTCAGGTGGATACCCCTCCAACCTGGAAGC
ATTCTTAATGAGACGGACGATGAAGATGAGTCTTTCGTTCTGGAGACCCCTACCTTGTTAAACGTTGACA
CCATCGACTCTCACTCTTACGATACCTCATCTGTGGCGAGCTCAGACAGCGGCGACAGGGCCAACCTAAA
GAGGAAGAAGAAGTTGCCGGACTCTTCTCGTGCATGGGTGGTTATGCGACATTCACTTCTAAAGGGG
ATATCTGCACAGATCGTGTCCGCAGCCGACAAAGTAGATGCTGGCTTGCCTACAGCAATTGCCGTGCCA
GTCTGATAGCGGTGGAAACGTCTCACGGACTGGCTTTAATTTGGAAAAGATCAGAATCAAGCACTGCG
GCTCTGCCTGGGTAGCACCAGTGTGGAGGGCAGTATGGAGCCATCTCTGCCCTCAGCATCAACAATGAC
TGCTCAAGACTTCTTTGGCTTTGCTAAAGGGCAGATCACCATGTGGATTTGGCCAGTGGAAAACCTC
TCAGATCAATAACAGATGCTCATCTCCAGGGACCGCAATCTTGACATCAAGTTCACAGATGATCCAAC
TCTTGCGATTTGCAACGACAGTGGAGGCTCTGTTTTGAACTAACATTTAAGAGAGTATGGGCGTGCGA
ACGTGTGAGTCTCGGTGCCTATTCAGCGCTCCAAGGGTGGGTCTGCTGCATCGAGCCGCTGCACTCAA
AGCCCCGAGCTGAAAGACCATCCCATCACGAGTCTCACTGCTGGCCATGGCGTCTTAACAAAGATATT
GGTCATTGGGTTGAAACCATCCCTGAAAGTGTGGATGACTTTCCCTATGGACGGATGGATCCTTCCAGT
GTTCCGCTGCTGGCCTGGCACTTCGTGGCAGTGAATAACTCTGTGAATCCCATGCTCGCCTTCTGCAGAG
GCGACATGGTTCACTTTCTCTGGTTAAGAGAGATGAGTCGGGCGCAATACACGTACCAAGCAAAGCA
CCTTCACTGTACTATGACCTGATCAACTTCACTTGGATCAACTCGCGCACAGTCGTCTTTAGACAGC
GTGGAGAAGCTGCACGTATTGATCGGCAGACGCAGGAGGAACTGGAGACAATGGAGATCTCGGAAGTCC
AGCTGGTCTACAACAGCAGCCACTTCAAGTCAATTGGCCACGGGAGGAAATGTTAGCCAGGCCCTGGCTTT
GGTTGGAGAGAAGGCTTGTACCAATCCATCAGTAGCTATGGAGGACAGATCTTCTATCTGGGGACCAAG
TCTGTGACGTGATGCTGAGAAGCTGGAGGGAGAGGATGGACCATCTCTGAAACAGGATTGCCTTA



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CGGAAGCCTTGGCCCTCGCGTGGTCTTTTCATGAAGGAAAGGCAAAAGCAGTAGTGGGGCTATCGGGGA
 TGTGAGCAAGAGGAAGGCTGTTGTTGCTGATCGGATGGTAGAGATCCTGTTCCATTATGCAGATCGGGCT
 CTGAAAAAGTGCCCGGACCAGGGGAAAAATCCAAGTGATGGAGCAACACTTTCAGGATACGGTGCCAGTCA
 TAGTGGACTACTGCCTTCTGCTCCAGCGAAAGGATCTTCTATTTGGTCAAATGTACGACAAATTAAGTGA
 AAATCCGTCGCAAAAGGCGTGTGTTGGAGTGCCTTGAGCCATATATCTTAAGTGATAAACTGGTGGGG
 ATTACTCCCAGGTCATGAAGGACTTAATTGTTCAATTTCCAAGATAAAAACTGTGGAGAATGTGGAAG
 CCCTCATTGTCCACATGGACATCACAGCCTCGACATTCAGCAGGTGGTCCCTCATGTGTTGGGAGAATCG
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 AGCTTCTGGTGTACATCAGCTGTGCTGCGCAGGTCGTGCCTACCCTCTCGGTGACATTCCTGAAGATCT
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 GTAGCCCCGACGATGACTCCCGCACTCTGAAAGACAGCAGGTCCCTTTAGAATTGCTGCAGGCCGAGG
 CATAGTTCAATTTGAAGAGAGTCGGCTCATCCGATGGCAGAAAAGGCAGAAATCTATCAATCTGTGAA
 TTTATGTATGAGCGGGAACACAGTATGACAAGATCATTGACTGTACCTGCACGACCCATTGAGAGAGG
 AAGAAGTCTTCAATTATATCCACAACATCTTATCTATTCTGGTCAAGTGTGAGGAGAAGCAGTCTGT
 GTGGCAGAAAAGCAATGAATCATATGGAGGAACTGTGTCCTGAAGCCCTGCAAAGCCGACAGCTGGTG
 GCTACTCACTTTTCTGAGCAGATCGAAGTGGTTCATTGGACAGCTTCAGAACAGCTTTTGCTTTTCAAAT
 TTTTGAGGAGTCTTCTGATCCAAGGGAAGGTGTTTCATGTCAATCAGGAGTTGCTGCAGATCCCAGCTCA
 CATTACAGAGCAGTTTATTGAGCTGCTGTGCCAGTTTCACTGACCAAGTCAACAGACTGCAGACTGCAGGCT
 CTTGAGTGTACCGTCTGGAGGAAACGATTCAGATTACACAAAAGTATCAACTCCATGAAGTCACTGCGT
 ATCTGCTGGAGAAGAAAGGGGATGCACACGCGCCTTCTGCTGCTGCTGGAGAGACTGCAGAGCAGGCT
 GCAAGAGATGACACGGCAGGACGAAAAATACCAAGGAGGACATCCTGCTGAAAGGTGTTGAAGATACCATG
 GTAGAGACAATTGCTCTTTGCCAGAGAAATTCACAGAATTTGAATCAGCAGCAACGAGAGGCTCTATGGT
 TTCCACTGTTGGAGGCAATGATGACACCACAGAAGCTGTCCAGCTCGGCTGCTGCTCCTCATCCGCACTG
 TGAAGCTCTGAAGTCTTTGACCATGCAAGTCTAAACAGCATGGCAGCGTTCATCGCCCTCCCGTCCATC
 CTACAGAGAATCTGCAGGACCCAAATTTATGAAAAGGAAAGCTTGAGAAAATCCAGGGCCTTATTCTGG
 GGATGCTGGACACCTTCAACTATGAGCAAACCTTGTAGAAAACAACAGCCAGCCTCCTGAACCAAGATCT
 CCATTGGTCACTGTGAACCTGAGAGCATCAGTATCCAGAGGACTCAATCCCAAGCAGGATTACTGTTCT
 ATATGTTTACAGCAGTACAAAAGACGCCAAGAAATGGCTGATGAAATTATTGCTTTAGCTGTGGCCATT
 TGTATCATTATTCTGTCTCAAAGTAAGGAATGCACCCTAGAGGTTGAGGGTCAGACGAGATGGGCGTG
 TCACAAATGCAGCTCAAGTAATAAAGCGGGCAAACCTCAGTGAAAAATCCTTCTGAAAACAAGAAAGGACGG
 ATAACCTCGTCTCAGGTAATAATGTCGCCCTCGTATCATCAGTCCAAAGGGGATCCTCCCGCCAGGAAGG
 CAAACTCAGAACCTGTTCTGGACCCACAGCAAAATGCAAGCCTTTGATCAGCTCTGCCGTCTACAGAGG
 AAGTTCTAGTTGGCTCTCCTTACGGAGCTCTCCAGAACCAGGTTGGCGACAGCTGCAGGCCGTTTGT
 GGCCCCAGAGTGGCCCTGCTTTCAACAGCGTCTCCAGAAGGAGAATTCAGCTGCAGCTCGCGCCTC
 CGCTGTGGCTGAAGACTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001081366
Insert Size: 4290 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:	<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_001081366.1</u> , <u>NP_001074835.1</u>
RefSeq Size:	5032 bp
RefSeq ORF:	4290 bp
Locus ID:	209018
Cytogenetics:	16 B1
Gene Summary:	Plays a role in vesicle-mediated protein trafficking of the endocytic membrane transport pathway. Believed to act as a component of the putative CORVET endosomal tethering complexes which is proposed to be involved in the Rab5-to-Rab7 endosome conversion probably implicating MON1A/B, and via binding SNAREs and SNARE complexes to mediate tethering and docking events during SNARE-mediated membrane fusion. The CORVET complex is proposed to function as a Rab5 effector to mediate early endosome fusion probably in specific endosome subpopulations. Functions predominantly in APPL1-containing endosomes (By similarity).[UniProtKB/Swiss-Prot Function]