

Product datasheet for **MC229587**

Vps8 (NM_001285893) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Vps8 (NM_001285893) 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: >MC229587 representing NM_001285893
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGAACTGAACCAGACCAGGAGCATTGGACCAGAACCCGTGCGCCAGGACTGTGGAAGAAGAGTTGA
 GCAAGTCTTTAATTTAGAAGCTTCCCTTTCAAATTCTCTTGCCTAGATCTGGATAAGGAGCTGGAGTT
 CAGAAGTGACCTGATCGATGACAAGGAGTTTGATATTCCTCAGGTGGATACCCCTCCAACCTGGAAAGC
 ATTCTTAATGAGACGGACGATGAAGATGAGTCTTTCGTTCTGGAGGACCTACCTTGTAAACGTTGACA
 CCATCGACTCTCACTCTTACGATACCTCATCTGTGGCGAGCTCAGACAGCGGCGACAGGGCCAACCTAAA
 GAGGAAGAAGAAGTTGCCGGACTCTTCTCGTGCATGGGTGCGTTATGCGACATTCACTTCTAAAGGGG
 ATATCTGCACAGATCGTGTCCGCAGCCGACAAAGTAGATGCTGGCTTGCCTACAGCAATTGCCGTGCCA
 GTCTGATAGCGGTGGAAACGTCTCACGGACTGGCTTAAATTTGATCAGAATCAAGCACTGCGGCTCTG
 CCTGGGTAGCACCAGTGTGGAGGGCAGTATGGAGCCATCTGCCCCTCAGCATCAACAATGACTGCTCA
 AGACTTCTTTGTGGCTTTGCTAAAGGGCAGATCACCATGTGGGATTTGGCCAGTGGAAAACCTTCTCAGAT
 CAATAACAGATGCTCATCCTCCAGGACCCTCAATCTTGACATCAAGTTCACAGATGATCCAACCTTTCG
 GATTTGCAACGACAGTGGAGGCTCTGTTTTTGAACCTAACATTTAAGAGAGTGGGGCTGCGAACGTGT
 GAGTCTCGGTGCCTATTCAGCGGCTCCAAGGGTGAAGTCTGCTGCATCGAGCCGCTGCACTCAAAGCCCG
 AGCTGAAAGACCATCCCATCACGAGTTCTCACTGCTGGCCATGGCGTCTTAACAAAGATATTGGTCAT
 TGGGTTGAAACCATCCCTGAAAGTGTGGATGACTTCCCTATGGACGGATGGATCCTTCCAGTGTTCGG
 CTGCTGGCCTGGCACTTCGTGGCAGTGAATAACTCTGTGAATCCCATGCTCGCTTCTGCAGAGGCGACA
 TGGTTCACCTTCTCCTGGTTAAGAGAGATGAGTCGGGCGCAATACACGTACCAAGCAAAAGCACCTTCA
 CCTGTACTATGACCTGATCAACTTCACTTGGATCAACTCGCGCACAGTCGTGCTTTTAGACAGCGTGGAG
 AAGCTGCACGTGATTGATCGGCAGACGCAGGAGGAAGTGGAGACAATGGAGATCTCGGAAGTCCAGCTGG
 TCTACAACAGCAGCCACTTCAAGTCATTGGCCACGGGAGGAAATGTTAGCCAGGCCCTGGCTTTGGTTGG
 AGAGAAGGCTTGCTACCAATCCATCAGTAGCTATGGAGGACAGATCTTCTATCTGGGGACCAAGTCTGTG
 TACGTGATGATGCTGAGAAGCTGGAGGGAGAGGATGGACCATCTCCTGAAACAGGATTGCCTTACGGAAG



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CCTTGGCCCTCGCGTGGTCTTTTCATGAAGGAAAGGCAAAAGCAGTAGTGGGGCTATCGGGGGATGTCAG
 CAAGAGGAAGGCTGTTGTTGCTGATCGGATGGTAGAGATCCTGTTCCATTATGCAGATCGGGCTCTGAAA
 AAGTGCCCGGACCAGGGGAAAATCCAAGTGATGGAGCAACACTTTCAGGATACGGTGCCAGTCATAGTGG
 ACTACTGCCTTCTGCTCCAGCGAAAGGATCTTCTATTTGGTCAAATGTACGACAAATTAAGTGAAAATTC
 CGTCGCAAAAGGCGTGTTTTGGAGTGCCTTGAGCCATATATCTTAAGTGATAAACTGGTGGGGATTACT
 CCCCAGGTCATGAAGGACTTAATTGTTTCATTTCCAAGATAAAAACTGCTGGAGAATGTGGAAGCCCTCA
 TTGTCCACATGGACATCACCAGCCTCGACATTCAGCAGGTGGTCCCTCATGTGTTGGGAGAATCGTCTGTA
 TGACGCCATGGTCTATGTCTACAACCGAGGCATGAATGAGTTTATCAGTCCGATGGAGAAGCTTTTCAAA
 GTCATCGCCCCACCTCTGAATGCAGGGAAGACTCTTACAGATGAGCAAGTTGTTATGGGCAACAAGCTTC
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 CTTGGTAAAAACCAGGTTTTGAGTTTCTGATTCGCCTGCATTCTGTAGAAGCATCCTCCGAGGAAGAA
 GTCTATCCTTATGTTCCGACTTTGCTACATTTTGACACAAGAGAATTTCTGAATGTGCTGGCACTGACCT
 TTGAAGACTTTAAAAATGATAAGCAAGCTGTGGAATACCAGCAGCGCATTGTGGATATTTTATTGAAGGT
 TATGGTGGAGAATTCAGATTTTACCCCGTCACAAGTGGGGTGTCTTTTACGTTCCCTCGCTCGTCAGCTC
 GCAAAGCCTGACAATACCTTGTGTTGTAACAGGACCCTCTTTGATCAAGTCCCTCGAGTTCCTCTGTAGCC
 CCGACGATGACTCCCGCCACTCTGAAAGACAGCAGGTCCTTTTAGAATTGCTGCAGGCCGAGGCATAGT
 TCAATTTGAAGAGAGTCCGGCTATCCGCATGGCAGAAAAGGCAGAATTCTATCAAATCTGTGAATTTATG
 TATGAGCGGGAACACCAGTATGACAAGATCATTGACTGCTACCTGCACGCCATTGAGAGAGGAAGAAG
 TCTTCAATTATATCCACAACATCTTATCTATTCTGGTCAAGTGTGAGGAGAAGCAGTCTGTGTGGCA
 GAAAGCAATGAATCATATGGAGGAACCTGTGTCCCTGAAGCCCTGCAAAGCCGACAGCTGGTGGCTACT
 CACTTTTCTGAGCAGATCGAAGTGGTTCATTGGACAGCTTCAGAACCAGCTTTTGTCTTCAAATTTTGA
 GGAGTCTTCTTGATCCAAGGGAAGGTGTTCATGTCAATCAGGAGTTGCTGCAGATCCCGCCTCACATTAC
 AGACAGTTTCATTGAGCTGCTGTGCCAGTTCAGTCCCTGACCAAGTCATACAGACTGCAGACTGCTGTGAG
 TGCTACCGTCTGGAGGAAACGATTTCAGATTACACAAAAGTATCAACTCCATGAAGTCACTGCGTATCTGC
 TGGAGAAGAAAGGGGATGCACACGGCGCCTTCTGCTGCTGCTGGAGAGACTGCAGAGCAGGCTGCAAGA
 GATGACACGGCAGGACGAAAATACCAAGGAGGACATCCTGCTGAAAGGTGTTGAAGATACCATGGTAGAG
 ACAATTGCTCTTTGCCAGAGAAATTCACAGAATTTGAATCAGCAGCAACGAGAGGCTCTATGGTTTCCAC
 TGTTGGAGGCAATGATGACACCACAGAAGCTGTCCAGCTCGGCTGCTGCTCCTCATCCGCACTGTGAAGC
 TCTGAAGTCTTTGACCATGCAAGTCTAACAGCATGGCAGCGTTCATCGCCCTCCCGTCCATCCTACAG
 AGAATCTTGCAGGACCAATTTATGAAAAGGAAAGCTTGGAGAAATCCAGGGCCTTATTCTGGGGATGC
 TGGACACCTTCAACTATGAGCAAACCTTGCTAGAAAACAACAGCCAGCCTCTGAACCAAGATCTCCATTG
 GCACTGTGTAACCTGAGAGCATCAGTATCCAGAGGACTCAATCCAAGCAGGATTACTGTTCTATATGT
 TTACAGCAGTACAAAAGACGCCAAGAAATGGCTGATGAAATTATTGTCTTTAGCTGTGGCCATTTGTATC
 ATTCATTCTGTCTCCAAAGTAAGGAATGCACCCTAGAGGTTGAGGGTCAGACGAGATGGGCGTGTCAAA
 ATGCAGCTCAAGTAATAAAGCGGGCAAACCTCAGTGAAAATCCTTCTGAAAACAAGAAAGGACGGATAACC
 TCGTCTCAGGTAATAATGTCCGCTCGTATCATCAGTCCAAGGGGATCCTCCCGCCAGGAAGGCAAACCT
 CAGAACCTGTTCTGGACCCACAGCAAATGCAAGCCTTTGATCAGCTCTGCCGCTCTACAGAGGAAGTTC
 TAGGTTGGCTCTCCTTACGGAGCTCTCCAGAACCAGGTTGGCGACAGCTGCAGGCCGTTTGTGGCCCC
 CAGAGTGGGCTGCTTTCAACAGCGTCTCCAGAAGGAGAACTTCAGCTGCAGCTCGCGCCTCCGCCTG
 TGGCTGAAGACTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001285893
Insert Size: 4284 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).
OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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_001285893.1, NP_001272822.1</u>
RefSeq Size:	5027 bp
RefSeq ORF:	4284 bp
Locus ID:	209018
UniProt ID:	<u>Q0P5W1</u>
Cytogenetics:	16 B1
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>