

Product datasheet for **MC205803**

Vps11 (NM_027889) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Vps11 (NM_027889) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Vps11
Synonyms:	1200011A11Rik
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC029004
CACGTGATTTTCGCTTCCGGAGGCGGGGCTTCGGCAAGATGGCGGCCTACCTGCAGTGGCGGCGTTTCG
TTTTCTTCGAGAAGGAGCTGGTGAAGGAGCCGCTGGGTAAATGATGGGGCTGCTCCCGGTGCCGCGCTGT
GTCGGGATCCGCTGCTTCCAAGTTCTTTGCTCCCTCCTGGCATCACTGTCTGCGACTCAGGCCGCGGG
AGCCTGGTCTTTGGAGATATGGAAGGCCAGATCTGGTCTTGGCCAGTCTCTACAGCTTACAGGGTTCC
AGGCCTACAACTACGGGTGACACACTTATATCAGCTGAAGCAGCACAAATATTCTGGCATCGTGGTGA
GGATGAAGAGGGTATTAACCCCTCTGGTAAAGATCTGGAACCTGGAAAAGAGAGACGGTGGCAATCCACTC
TGCACCCGGATTTCCCTGCCATCCAGGGACAGAGCCAACCTGTTGTCTTGTGGTGGTCCATGAGA
ATCTCAACTTTATGGCCATTGGGTTACAGATGGCAGTGTACCCTGAACAAGGGAGATATTACCCGGGA
CCGGCACAGCAAGACGCAGATTTTGACAAGGGCAACTATCCCGTACTGGGCTGGCCTTTCGCAAGCA
GGAAAAGACCACCACTTGTGTGCGTGACAAGTAAATGTTTCAGTCTTATATAGTTTCTGGAAAGGACT
ACCCTCGTGTGGAGTTGGACACCCATGTTGTGGCCTGCGCTGTTACGCCCTGAGCGACCCCTTCAAGA
CCTGCAGTTCATTGTTGCTGGGGATGAGTGTGTCTACCTTACCAGCCTGATGAACGTGGACCCTGCTTT
GCCTTTGAGGGCCATAAGCTCATCGTGCCTGTTAGAGGCTACCTTGTATTGTCTCCCGTGACCGGA
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AGCGCATCCAACTTGACCGCTACCTGCAAACCTGCATCGGCAGTCTCTGGCTAATGCTGATCATAAC
CACCTGCTTCTGAAGTCTATACCAAGCTCAAGGACAGCTCGAAGTCTCCGGCAGGTTTCAAGCAAAAG
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GAACTATCAGGAAGCCCTTCGGTATATCGGGAAGCTGCCTTTCGAGCAAGCGGAGAGTAACATGAAACGC
TATGGCAAGACCCTCATGCACCACATACCGGAGCAGACAACCCAGTTGCTGAAAGGCCTCTGCAGTACT
ATCGACCCAGTCTGGAAGCCGAGGCGATCGGGAGGCTCTGAGCTGCCGGCCAGTTCTGAGGAGTTCAT
CCCCATCTTTGCCAACAACCCACGAGAGCTGAAAGCCTTCTAGAACACATGAGTGAAGTGCAGCCGGAC
TCACCGCAGGGCATCTATGACACGCTCCTGGAGCTGCGGCTGCAGAACTGGGCCATGAGAAAGATCCCC
AGGCCAAGGAGAACTTATGCAGAGGCCATCTCCCTGCTGAAGAGTGGCCGATTCTGTGACGTGTTTGA
CAAGGCATTGGTTCTGTGCCAGATGCACGACTTCCAGGATGGGGTCTTTACCTCTATGAGCAGGGGAAG
CTGTTCCAGCAGATCATGCATTACCACATGCAGCACGAGCAGTACCGGCAGGTGATTGCCGTGTGTGAGC
GCCATGGAGAGCAGGAGCCCTCCCTGTGGGAACAGGCCCTCAGCTACTTCGCCCGCAAGGAGGAGGACTG
CAAGGAGTATGTGGCGGCTGTGCTCAGGCACATTGAGAACAAGAGCCTCATGCCGCTCTTCTAGTGGTG
CAGACCTGGCCCAACTCCACAGTACCCTGTCTATCATCCGAGATTACCTGGTCCAAAAACTGCAGA
AACAGAGCCAGCAGATTGCACAGGATGAGTCCGGGTGCGGCGATACAGAGAGGAGACCCTCGCATCCG
CCAGGAAATCCAGGAGCTCAAGGCGAGTCCAAAGATTTCCAGAAGACCAAGTGTAGCATCTGTAACAGT
GCCTTGGAGCTGCCCTCAGTCCACTTCTGTGTGGCCACTCTTCCACCAACTGCTTTGAGAGTTACT
CAGAAAGTGTGCTGACTGCCCCACCTCCCTGAGAACCAGGATGATGGATATGATCCGGGCCCA
GGAACAGAAACGAGATCTCCACGATCAGTTCCAACATCAGCTCAAGTGTGCTCGAATGACAGCTTCTCTGTG
ATTGCGGACTACTTTGGCCGAGGGTTTTCAACAAGTTGACTCTGCTGACCGACCCTCTACAGCCAGAC
TGACCCCCAGCCTGGAGGCTGGACTGCAGCGGACCTGCTGATGCACTCCAGGAGGGGAACCTTAGTTAGG
CAGCTCCTGGGAAGCCTATATCCCTGGGCTCTGAAGCACAGACGTAGGCTGAGGAAGAGATGGTAGC
AGACATGACCACAGTCCGGAGCCTCAGGACTCAAGAAGGGACTGCTTTTCTGCCTCCTCTTTTGC
CAGCCTGTGCTCCTGCTGACCAGCAGTATAGATTCTTCTACACCAGTGAAGGAGGACCCCTCAGCA
ACCTCTCTGGACAATAGCTGCTTATTCTACTCAAGGGCACCAGGCTGTGCTTGGGCTCTTGTCCCA
GAGCCTATAAATAAAAGTATAATAGTATGAAAAAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI

ACCN: NM_027889

Insert Size: 2826 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:	BC029004 , AAH29004
RefSeq Size:	3194 bp
RefSeq ORF:	2826 bp
Locus ID:	71732
UniProt ID:	Q91W86
Cytogenetics:	9 A5.2
Gene Summary:	<p>Plays a role in vesicle-mediated protein trafficking to lysosomal compartments including the endocytic membrane transport and autophagic pathways. Believed to act as a core component of the putative HOPS and CORVET endosomal tethering complexes which are 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 HOPS complex is proposed to be recruited to Rab7 on the late endosomal membrane and to regulate late endocytic, phagocytic and autophagic traffic towards lysosomes. The CORVET complex is proposed to function as a Rab5 effector to mediate early endosome fusion probably in specific endosome subpopulations. Required for fusion of endosomes and autophagosomes with lysosomes. Involved in cargo transport from early to late endosomes and required for the transition from early to late 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>