

Product datasheet for MC206270

Vps36 (BC010811) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Vps36 (BC010811) Mouse Untagged Clone
Tag: Tag Free
Symbol: Vps36
Synonyms: 1700010A24Rik; 2210415M20Rik; 2810408E15Rik; Eap45
Mammalian Cell Selection: Neomycin
Vector: PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection: Kanamycin (25 ug/mL)

Fully Sequenced ORF: >BC010811
GGGTGGCGGCCATGGACCGCTTCGTGTGGACCAGCGGCCTCTGGAGATCAACGAGACCCTGGTTATCCA
GCAGCGGGGTGCGCGTCTACGACGGCGAGGAGAAGATAAAAATTTGATGCCGGGACTCTTCTTCTAGT
ACACACCGGCTGATTTGGAGAGACCAGAAGAATAATGAGTGCTGCATGGCCATTCCTGTCTCAGATTG
TGTTTCATCGAGGAGCAGGCGAGCTGGAATCGGGAAGAGCGCCAAAATCGTGGTTCACCTGCACCCAGCTCC
TTCTAACAAAGAGCCCGGTCCGTTCCAGAGCAGTAAGAATCCTACATCAGACTCTCTTCAAAGAACAT
GGCCAGATTGAGTTTTACAGGCGTTTATCAGAAGAAATGACACAGAGAAGATGGGAGACTGTGCCAGTTT
CCCAGTCACTACAAACAAATAAAGGACCCAGCCAGGAAGAGTAAGAGCTGTTGGAATTGTAGGTATTGA
AAGGAACTTGAAGAAAAAGAAAAGAAACCGATAAAAACATTTCTGAGGCCTTTGAAGACCTGAGCAAG
CTGATGATTAAGGCTAAGGAAATGGTGGAGTTATCCAAATCAATCGCTAATAAGATTAAGAGAAGCAAG
GCGATGTCACAGAGGATGAGACCATCAGGTTTAAAGTCGTACCTGCTGAGTATGGGAATAGCCAACCCAGT
CACCAGAGAAACCTATGGCTCCGGCACACAGTACCACATGCAGCTGGCCAAACAGCTGGCTGGAATATTG
CAGGCACCTTTGGAGGAGCGTGGGGGAATAATGTCCCTCACAGAGGTGTACTGTCTAGTGAACCGGGCCC
GAGGAATGGAGTTGCTCTCGCCAGAAGATTTGGTAAATGCGTGCAAGATGCTGGAAGCGCTAAAATTGCC
TATCAGGCTTCGGGTTTTGACAGTGGTGTATGGTAATTGAGCTTCAAACCTACAAGGAAGAGGAAATG
GTGGCCTCGGCCCTGGAGACGGTTTTCAGAAAGGGGTCCTAACATCCGAAGAGTTTGCCAAGCTTGTGG
GAATGTCTGTCTTCTGGCTAAAGAAAGGCTGCTCCTTGACAGAGAAGATGGGCCACCTTTGCCGAGACGA
CTCCGTGGAAGGCTTGGGTTTTATCCAAATTTATTTATGACACAGAATAAGAAATTTGTACCTGAAAT
GCTTTATGTCAATAAGCTTGCATTTTGCCAAGGCTCACGACACTGAGCTAAGAGATAAACCCAAATAAA
CCAAGAATGTGTTAGAAAAAAAAAAAAAAAAA

Restriction Sites: EcoRI-NotI
ACCN: BC010811
Insert Size: 1161 bp



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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:	BC010811 , AAH10811
RefSeq Size:	1290 bp
RefSeq ORF:	1161 bp
Locus ID:	70160
Cytogenetics:	8 A2
Gene Summary:	Component of the ESCRT-II complex (endosomal sorting complex required for transport II), which is required for multivesicular body (MVB) formation and sorting of endosomal cargo proteins into MVBs. The MVB pathway mediates delivery of transmembrane proteins into the lumen of the lysosome for degradation. The ESCRT-II complex is probably involved in the recruitment of the ESCRT-III complex. Its ability to bind ubiquitin probably plays a role in endosomal sorting of ubiquitinated cargo proteins by ESCRT complexes. The ESCRT-II complex may also play a role in transcription regulation, possibly via its interaction with ELL. Binds phosphoinositides such as PtdIns(3,4,5)P3.[UniProtKB/Swiss-Prot Function]