

Product datasheet for **MC205651**

Vps39 (NM_178851) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Vps39 (NM_178851) Mouse Untagged Clone
Tag: Tag Free
Symbol: Vps39
Synonyms: A230065P22Rik; AW743070; mVam6; Vam6; Vam6P
Mammalian Cell Selection: Neomycin
Vector: PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection: Kanamycin (25 ug/mL)
Fully Sequenced ORF: >BC007479

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CAGGGGTCCTGGTGAATACGAGTCTTCCTGTTTTCGGACGGCAGGCTCCTCCCAGCAGCAGGGGCGG  
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ATCGAGTACTCAACTTCTTGATAGAGAATTTCAAGGCTCTGGCCATTCTTATCTGGAACACATCATCCA
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 TGCAGGCCACACCCCATACATAAAGTTTTAAAAAAAAAAAAAAAAA

- Restriction Sites:** RsrII-NotI
- ACCN:** NM_178851
- Insert Size:** 2628 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>BC007479</u> , <u>AAH07479</u>
RefSeq Size:	3964 bp
RefSeq ORF:	2628 bp
Locus ID:	269338
UniProt ID:	<u>Q8R5L3</u>
Cytogenetics:	2 E5
Gene Summary:	<p>May play a role in clustering and fusion of late endosomes and lysosomes (By similarity). Regulator of TGF-beta/activin signaling, inhibiting SMAD3- and activating SMAD2-dependent transcription. Acts by interfering with SMAD3/SMAD4 complex formation, this would lead to inhibition of SMAD3-dependent transcription and relieve SMAD3 inhibition of SMAD2-dependent promoters, thus increasing SMAD2-dependent transcription (By similarity). [UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2) lacks an alternate in-frame exon compared to variant 1. The resulting isoform (2) has the same N- and C-termini but is shorter compared to isoform 1.</p>