

## Product datasheet for RN214772

### Mvb12a (NM\_199375) Rat Untagged Clone

#### Product data:

Product Type: Expression Plasmids  
 Product Name: Mvb12a (NM\_199375) Rat Untagged Clone  
 Tag: Tag Free  
 Symbol: Mvb12a  
 Synonyms: Fam125a  
 Vector: pCMV6-Entry (PS100001)  
 E. coli Selection: Kanamycin (25 ug/mL)  
 Cell Selection: Neomycin  
 Fully Sequenced ORF: >RN214772 representing NM\_199375  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGGATCCCGGGACGGATTCAACGCCGCTTGCCGCCCTGGTTTGGTCGTCGCCCTCGGCGCCGCCCGCC  
 CGGGTTTCAGCGCGATCACCTGTACCGTGGAGGGCGCGACGGCCAGCTTCGGCCGAGGCTTCGCGCAGAA  
 GGCCGGCTACTTCTGTGCCTGAGCACACTGGGTATCCCAGAGAACCTCAGGACAATGTGGTAGTGGAC  
 ATGCAGATCGTGATGGACAAGGGGCCCTGCCACCGAGCTTCTCTACAGTCAACGACCCTCAGGATGCCA  
 GGACCTCTGTGTCCAAGAAGAAGCGCATGTGTGAAGCTGATGCCCTGGGGACGGCAGACGTGGTAGT  
 GAGTGACGTGAAGCTCAGTGGGAAAACCAAGACCGTGCCTGGGTATCTGCGAGTGGGGGACATTGGTGGC  
 TTTGCCATCTGGTGCAAGAAATCCAAAGCCCCAAAGCTGGTGCCCAAGCCCGGCACACTCAGCCAGGACA  
 TGCGAGGCCTCTCACTGGACCAACCCAAAGAGCCAGCAAGGTAGCCACCCAGAGCGGACACTGTCCAG  
 ACTGGGCTCTCGGGCTTCCACCCTAAGGAGGAACGACTCCATCTATGAGGCATCCAGTCTCTATGGCATT  
 TCAGCCATGGATGGGGTTCCTTTACCCTGCACCCGAGATTTGAGGGCAAGAGCTGCGGACCCCTTGAAT  
 TGTCTGCCTTTGGGGACCTGACGATTAATCACTGGCAGACATTGAGAAGGAGTAACTATGGCTTCGT  
 GGTGGAGAAGACCGCAGCTGCACGCCTGCCCCCAAGTGTCTCA**TAG**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI  
 ACCN: NM\_199375  
 Insert Size: 816 bp



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<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_199375.1</a> , <a href="#">NP_955407.1</a>
<b>RefSeq Size:</b>	1102 bp
<b>RefSeq ORF:</b>	816 bp
<b>Locus ID:</b>	290635
<b>UniProt ID:</b>	<a href="#">Q6P777</a>
<b>Cytogenetics:</b>	16p14
<b>Gene Summary:</b>	Component of the ESCRT-I complex, a regulator of vesicular trafficking process. Required for the sorting of endocytic ubiquitinated cargos into multivesicular bodies. May be involved in the ligand-mediated internalization and down-regulation of EGF receptor (By similarity). [UniProtKB/Swiss-Prot Function]