

## Product datasheet for **RR214772**

### Mvb12a (NM\_199375) Rat Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Mvb12a (NM\_199375) Rat Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Mvb12a  
**Synonyms:** Fam125a  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**ORF Nucleotide Sequence:** >RR214772 representing NM\_199375  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGGATCCCGGGACGGATTCAACGCCGCTTGCCGCCCTGGTTTGGTCGTCCGCCTCGGCGCCGCCCGCC  
CGGGTTTCAGCGCATCACCTGTACCGTGGAGGGCGCGACGGCCAGCTTCGGCCGAGGCTTCGCGCAGAA  
GGCCGGCTACTTCTGTGCCTGAGCACACTGGGTATCCAGAGAACCTCAGGACAATGTGGTAGTGGAC  
ATGCAGATCGTGATGGACAAGGGGCCCTGCCACCAAGGCTTCTCTACAGTCAACGACCCTCAGGATGCCA  
GGACCTCTGTGTCCAAGAAGAAGCGCATGTGTGTGAAGCTGATGCCCTGGGGACGGCAGACGTGGTAGT  
GAGTGACGTGAAGCTCAGTGGGAAAACCAAGACCGTGCCTGGGTATCTGCGAGTGGGGGACATTGGTGGC  
TTTGCCATCTGGTGCAAGAAATCCAAAGCCCCAAAGCTGGTGCCCAAGCCCGGCACACTCAGCCAGGACA  
TGCGAGGCCTCTCACTGGACCAACCAAGAGCCAGCAAGGTAGCCACCCAGAGCGGACACTGTCCAG  
ACTGGGCTCTCGGGCTTCCACCCTAAGGAGGAACGACTCCATCTATGAGGCATCCAGTCTCTATGGCATT  
TCAGCCATGGATGGGGTTCCTTTACCCTGCACCCGAGATTTGAGGGCAAGAGCTGCGGACCCCTTGAAT  
TGTCTGCCTTTGGGGACCTGACGATTAATCACTGGCAGACATTGAGAAGGAGTAACTATGGCTTCGT  
GGTGAGAAGACCGCAGCTGCACGCCTGCCCCCAAGTGTCTCA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR214772 representing NM\_199375  
 Red=Cloning site Green=Tags(s)

MDPGTDSTPLAALVWSSASAPPPPGFSAITCTVEGATASFGRGFAQKAGYFLCLSTLGIPIENPQDNVVVD  
 MQIVMDKGPLPPGFSTVNDPQDARTSVSKKKRMCVKLMPLGTADVVSVDVKLSGKTKTVPGYLRVGDIGG  
 FAIWCKKSKAPKLVKPGTSLQDMRGLSLDQPKEPSKGSHPERTLSRLGSRASTLRRNDSIYEASSLYGI  
 SAMDGVPFTHLHPRFEGKSCGPLNLSAFGDLTIKSLADIEKEYNYGFVVEKTAARLPSPSVS

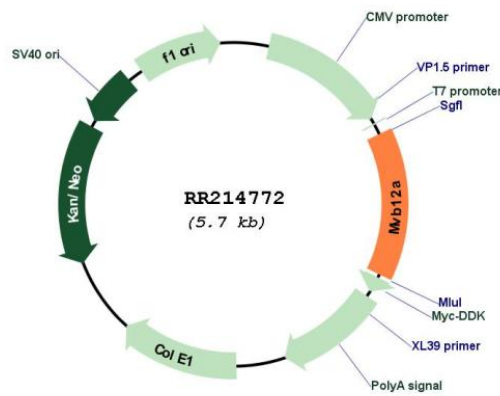
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM\_199375

ORF Size: 813 bp

|                               |   |
|-------------------------------|---|
| <b>OTI Disclaimer:</b>        | The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. <a href="#">More info</a>  |
| <b>OTI Annotation:</b>        | This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.  |
| <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>MW:</b>                    | 28.8 kDa  |
| <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).<br>[UniProtKB/Swiss-Prot Function]   |