

Product datasheet for **MR203624**

Mvb12a (NM_028617) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Mvb12a (NM_028617) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Mvb12a
Synonyms: 1110012M11Rik; Fam125a
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR203624 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGCC**

ATGGATCCCGGGACGGACTCGGCGCCGCTTGTGGCTTGGTTGGTCGTCGGCCTCGGCGCCGCCCGC
CGGTTTCAGCGCGATCACCTGCACCGTGGAGGGCGGGACGGCCAGCTTCGGCCGAGGCTTCGCGCAGAA
AGCCGGCTACTTCTGTGCCTGAGCACGCTGGGCATCCCGGAGAACCCTCAGGACAATGTGGTAGTGGAC
ATGCAGATCGTGATGGACAAGGGCCCACTGCCGTCAGGCTTCTCTGCAGTCAACGACCCTCAGGATATCA
AGGCCTCTGTGTCCAAGAAGAAACGCATGTGTGAAGCTGATGCCCTGGGGACAGCTGACGTGGTTGT
GAGTGACGTGAAGCTGAGTGGGAAGACTAAGACCGTGCCTGGATACCTGCGTGTGGGGGACATTGGTGGC
TTTGCCATCTGGTGCAAGAAATCAAAGCCCCAAGGCCGGTGCCCAAGCCCCGCACGCTCAGCCAGGACA
TGCGAGGCCTCTCCCTGGACCCACCAAAGAGCCAGCAAAGGAAGCCACCCAGAGCGGACCCTGTCCAG
GCTGGGCTCTCGGGCCTCCACTTACGGAGGACCAGCTCCATCTATGAGGCATCCAGTCTCTATGGCATA
TCAGCCATGGACGGAGTCCCCTTACCCTGCACCAAGATTTGAGGGCAAGAGCTGTGGGCCCTTGAAC
TGTCTGCTTTGGGGACCTGACGATCAAATCACTGGCAGACATTGAGAAGGAGTAACTATGGCTTCGT
GGTGGAGAAGACTGCAGCTGCACGCCTGCCTCCAGCGTCTCA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR203624 protein sequence
Red=Cloning site Green=Tags(s)

MDPGTDSAPLAGLVSSASAPPPPGFSAITCTVEGGTASFGRGFAQKAGYFLCLSTLGIPENPQDNVVVD
 MQIVMDKGPLPSGFSAVNDPQDIKASVSKKRMVCVLMPLGTADVVSVDVKLSGKTKTVPGYLRVGDIGG
 FAIWCKKSKAPRPVPKPRTLSDPMRGLSLDPPKEPSKGSHPERTLSRLGSRASTLRRTDSIYEASSLYGI
 SAMDGVPFTHLPRFEGKSCGPLNLSAFGDLTIKSLADIEKEYNYGFVVEKTAARLPSPSVS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_028617

ORF Size: 816 bp

OTI Disclaimer: 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. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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:

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: [NM_028617.2](#), [NP_082893.1](#)

RefSeq Size: 1077 bp

RefSeq ORF: 816 bp

Locus ID: 73711

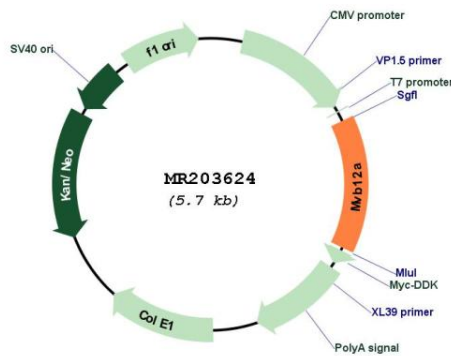
UniProt ID: [Q78HU3](#)

Cytogenetics: 8 B3.3

MW: 28.7 kDa

Gene Summary: 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]

Product images:



Circular map for MR203624