

Product datasheet for RR210856

Mvd (NM_031062) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Mvd (NM_031062) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Mvd
Synonyms:	Mvpd
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR210856 representing NM_031062 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCCTCGGAAAAGCCTCAGGACCTAATGGTCACCTGCACCGCGCCGGTCAACATCGCGGTTATCAAAT
ACTGGGAAAAGCGGGATGAAGCGCTGATCCTGCCATCAACCCCTCCCTGAGCGTCACGTCGCCAGGA
CCAGCTAAAACCACCACAACCTGCGGCCATTAGCAAGGACTTCACAGAGGACCGCATCTGGCTGAACGGT
CGTGAGGAGGACGTGGGGCAGCCACGGCTCCAGGCCTGCCTGAGAGAGATTTCGCCGCTGGCTCGGAAGC
GGAGGAGCACGGGAGACGGGGATGCCCTGCCCTCAGCCTCGGCTATAAGGTGCACGTGGCGTCAGTGAA
CAACTTCCCCACCGCTGCAGGCCTGGCTTCTCAGCAGCCGGCTACGCCTGCCTAGCCTATACCTTGGCC
CGGGTCTACGGGGTTGAGGGAGACCTCTCAGAAGTGGCCCGGGGGCTCAGGCAGCGCATGCCGCAGCC
TCTACGGGGGCTTCGTGGAGTGGCAGATGGGGAAACAGGCCGATGGGAAGGACAGCATCGCCCGCAGAT
AGCCCCAGAGTGGCACTGGCCCCAGCTCCGAGTTCTTATCCTTGTGGTGAAGTGCAGAGAAGAAGCCGACG
GGCAGCACAGTGGGCATGCAGACCAGCGTGGCGACCAGTACCCTGCTCAAGTTCGGGCTGAGTCCATTG
TGCTGAGCGCATGAAGGAGATGACCCGTTGCATCCAAGAGCAGGACTTCAGGCCTTCGCCAGCTGAC
CATGAAGGACAGCAACCGTTTCACGCCACCTGCCTCGACACCTTCCCGCCATCTCCTACCTCAATGAC
ACCTCCAGGCGCATCATCCAGCTAGTCCACCGTTCAACGCCACCATGGGCAGACGAAGTGGCGTACA
CATTTGATGCGGGCCCCAATGCTGTGATCTTCACTCTGGAGGACACCGTGGCCGAGTTTGTGGCGCAGT
AAGGCACAGTTCCTCCCTGCTGCGAATGGAGACAAGTTTCTCAAGGGGCTGCAGGTGGCACCCGTTCTT
CTCTCCGATGAGCTGAAAACCTTCGCTGGCTACGGAGCCAGCCCTGGTGGGGTTCAGTACATCATTGCCA
CTCAGGTGGGACCAGGACCTCAAGTCTAGACGACCTCACCATCATCTGCTAGGCCGGATGGCCTGCC
ACAGCGGGACCTT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR210856 representing NM_031062
 Red=Cloning site Green=Tags(s)

MASEKPQDLMTCTAPVNI AVIKYWGKRDEALILPINPSLSVTLHQDQLKTTTTAAISKDFTEIWLNG
 REEDVGGPRLQACLREIRRLARKRRSTGDGDALPLSLGYKVHVASVNNFPTAAGLASSAAGYACLAYTLA
 RYVYGVGDLSEVARRGSGSACRSLYGGFVEWQMGEGADGKDSIARQIAPEWHWPQLRVLILVVSAEKKPT
 GSTVGMQTSVATSTLLKFRAESIVPERMKEMTRCIQEQDFQAFQLTMKDSNQFHATCLDTFPPISYLND
 TSRRIIQLVHRFNAHHGQTKVAYTFDAGPNAVIF TLEDTVAEFVAAVRHSFPPAANGDKFLKGLQVAPVL
 LSEDLKTSLATEPSPGGVQYIIATQVGGPQVLDLDPHHLLGPDGLPQRDL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

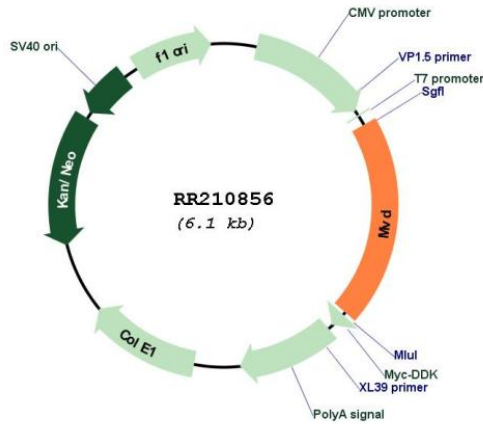
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN:

NM_031062

ORF Size:	1203 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:	<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:	NM_031062.2 , NP_112324.1
RefSeq Size:	1704 bp
RefSeq ORF:	1206 bp
Locus ID:	81726
UniProt ID:	Q62967
Cytogenetics:	19q12
MW:	43.9 kDa
Gene Summary:	enzyme that catalyzes the conversion of mevalonate pyrophosphate into isopentenyl pyrophosphate; involved in cholesterol biosynthesis [RGD, Feb 2006]