

Product datasheet for MR206298

Mvd (NM_138656) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Mvd (NM_138656) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Mvd
Synonyms:	C78718; Mpd
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR206298 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCCTCAGAAAAGCCTCAGGACCTAATGGTCACCTGCACGGCGCCGGTCAACATCGCAGTTATCAAGT
ACTGGGGGAAGCGAGATGAAGCGCTGATCCTGCCATCAACTCCTCCCTGAGCGTCACGTCGCCAGGA
CCAGCTAAAAACGACCACAACCGTTGCCATTAGCAAGGACTTCACAGAGGACCGCATCTGGCTGAACGGT
CGCGAGGAGGACGTGGGGCAGCCACGGCTCCAGGCCTGCCTGAGAGAGATTGCGCCGCTGGCTCGGAAGC
GGAGGAGCACAGAGGACGGGACACTCTACCCCTCAGCCTCAGCTATAAGGTGCACGTGGCGTCAGTGAA
CAACTTCCCCTGCTGCAGGCCTGGCGTCTCAGCCGCAGGCTATGCCTGCCTAGCCTATACCCCTGGCT
CAGGTCTATGGGGTTGAGGGAGACCTCTCCGAAGTGGCTCGGCGGGGCTCAGGCAGTGCCTGCCGAGTC
TCTATGGGGGCTTTGTGGAGTGGCAGATGGGGGAACAGGCCGATGGGAAGGACAGCATCGCCCGCAGAT
AGCCCCAGAGTGGCACTGGCCCCAGCTCCGAATCCTTATCCTTGTGGTGAGCGCCGACAAGAAGCAGACG
GGCAGTACAGTGGGCATGCAGACCAGCGTGGAGACCAGCACCCCTGCTCAAGTTCGGGCTGAGTCTGTTG
TGCCTGAGCGCATGAAGGAGATGACCCGCTGCATCCAAGAGCAGGACTTTCAGGGCTTTGCCAGCTGAC
CATGAAGGATAGCAACCAAGTTTCATGCCACCTGCCTGGACACCTTCCCACCGATCTCCTACCTCAATGAC
ACCTCCAGGCGCATCATCCAGCTAGTCCACCGCTTCAACACCCACCAGGCGAGCAAGGTGGCATAACA
CATTTGATGCTGGCCCCAACGCTGTGATCTTCACTCTGGAGGACTGTGGCTGAGTTTGTGGCAGCTGT
AAGACACAGCTTTCCCCCTGCAGCCAATGGAGACAAGTTCCTAAAGGGGCTGCAGGTGGCACCTGTTCTT
CTCTCTGATGAGCTGAAGGCCGCTGGTGGTGGAGCCAGCCCTGGTGGGGTCCAGTACATCATTGCCA
CTCAGGTCGGACCAGGACCTCAAGTCTAGACGACTCATGATCATCTGCTAGGCCAGGATGGACTGCC
ACAACGGGACCTT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



Protein Sequence: >MR206298 protein sequence
 Red=Cloning site Green=Tags(s)

MASEKPQDLMTCTAPVNI AVIKYWGRDEALILPINSSLSVTLHQDQLKTTTTVAISKDFTEDEIWLNG
 REEDVGGPRLQACLREIRRLARKRRSTEDGDTLPLSLSYKVHVASVNNFPTAAGLASSAAGYACLAYTLA
 QVYGVGEGDLSEVARRGSGSACRSLYGGFVEWQMGEGADGKDSIARQIAPWHWPQLRILILVVSADKKQT
 GSTVGMQTSVETSTLLKFRAESVPERMKEMTRCIQEQDFQGFALQTMKDSNQFHATCLDTFPPIISYLND
 TSSRIIQLVHRFNTHHGQTKVAYTFDAGPNAVIFLLEDTVAEFVAAVRHSPFAANGDKFLKGLQVAPVL
 LSDELKAALVVEPSPGGVQYIIATQVGGPQVLDLDDTHDHLGQDGLPQRDL

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_138656

ORF Size: 1206 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_138656.1](#), [NP_619597.1](#)

RefSeq Size: 1761 bp

RefSeq ORF: 1206 bp

Locus ID: 192156

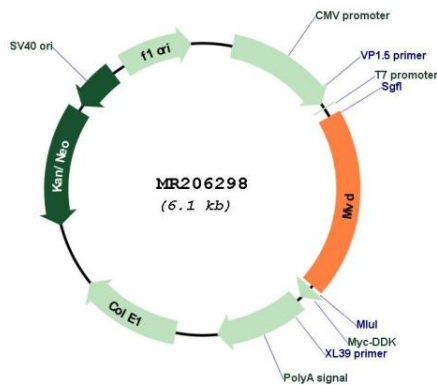
UniProt ID: [Q99JF5](#)

Cytogenetics: 8 E1

MW: 44.1 kDa

Gene Summary: Performs the first committed step in the biosynthesis of isoprenes.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR206298