

Product datasheet for **MG206298**

Mvd (NM_138656) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Mvd (NM_138656) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Mvd
Synonyms: C78718; Mpd
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG206298 representing NM_138656
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCCTCAGAAAAGCCTCAGGACCTAATGGTCACCTGCACGGCGCCGGTCAACATCGCAGTTATCAAGT
 ACTGGGGGAAGCGAGATGAAGCGCTGATCCTGCCATCAACTCCTCCCTGAGCGTCACGTCGCCAGGA
 CCAGCTAAAAACGACCACAACCGTTGCCATTAGCAAGGACTTCACAGAGGACCGCATCTGGCTGAACGGT
 CGCGAGGAGGACGTGGGGCAGCCACGGTCCAGGCCTGCCTGAGAGAGATTCGCCGCTGGCTCGGAAGC
 GGAGGAGCACAGAGGACGGGACACTCTACCCCTCAGCCTCAGCTATAAGGTGCACGTGGCGTCAGTGAA
 CAACTTCCCCACTGCTGCAGGCCTGGCGTCTCAGCCGCAGGCTATGCCTGCCTAGCCTATACCCCTGGCT
 CAGGTCTATGGGGTTGAGGGAGACCTCTCCGAAGTGGCTCGGCGGGGCTCAGGCAGTGCCTGCCGAGTC
 TCTATGGGGGCTTTGTGGAGTGGCAGATGGGGGAACAGGCCGATGGGAAGGACAGCATCGCCCGCAGAT
 AGCCCCAGAGTGGCACTGGCCCCAGCTCCGAATCCTTATCCTTGTGGTGAGCGCCGACAAGAAGCAGACG
 GGCAGTACAGTGGGCATGCAGACCAGCGTGGAGACCAGCACCCCTGCTCAAGTTCGGGCTGAGTCTGTTG
 TGCCTGAGCGCATGAAGGAGATGACCCGCTGCATCCAAGAGCAGGACTTTCAGGGCTTTGCCAGCTGAC
 CATGAAGGATAGCAACCAGTTTCATGCCACCTGCCTGGACACCTTCCCACCGATCTCCTACCTCAATGAC
 ACCTCCAGGCGCATCATCCAGCTAGTCCACCGTTCAACACCCACCAGGCGAGCAAGGTGGCATAACA
 CATTTGATGCTGGCCCCAACGCTGTGATCTTCACTCTGGAGACTGTGGCTGAGTTTGTGGCAGCTGT
 AAGACACAGCTTTCCCCCTGCAGCCAATGGAGACAAGTTCCTAAAGGGGCTGCAGGTGGCACCTGTTCTT
 CTCTCTGATGAGCTGAAGGCCGCTGGTGGTGGAGCCAGCCCTGGTGGGGTCCAGTACATCATTGCCA
 CTCAGGTCGGACCAGGACCTCAAGTCTAGACGACTCATGATCATCTGCTAGGCCAGGATGGACTGCC
 ACAACGGGACCTT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



[View online »](#)

Protein Sequence: >MG206298 representing NM_138656
 Red=Cloning site Green=Tags(s)

MASEKPQDLMTCTAPVNI AVIKYWGKRDEALILPINSSLSVTLHQDQLKTTTTVAISKDFTEDEIWLNG
 REEDVGGPRLQACLREIRRLARKRRSTEDGDTLPLSLSYKVHVASVNNFPTAAGLASSAAGYACLAYTLA
 QVYGVGEDLSEVARRGSGSACRSLYGGFVEWQMGEGADGKDSIARQI APEWHWPQLRILILVVSADKKQT
 GSTVGMQTSVETSTLLKFRAESVPPERMKEMTRCIEQDFQGF AQLTMKDSNQFHATCLDTFPPISYLND
 TSRRRIQLVHRFNTHHGQTKVAYTFDAGPNAVIF TLEDTVAEFVA AVRHSFPPAANGDKFLKGLQVAPVL
 LSEDELKAALVVEPSPGGVQYIIATQVGGPQVLD DTDHLLGQDGLPQRDL

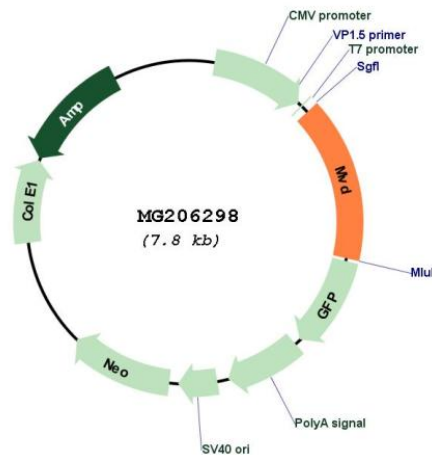
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_138656

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_138656.1 , NP_619597.1
RefSeq Size:	1767 bp
RefSeq ORF:	1206 bp
Locus ID:	192156
UniProt ID:	Q99JF5
Cytogenetics:	8 E1
Gene Summary:	Performs the first committed step in the biosynthesis of isoprenes.[UniProtKB/Swiss-Prot Function]