

Product datasheet for **MG209005**

Me1 (NM_008615) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Me1 (NM_008615) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Me1
Synonyms:	D9Erttd267e; Mdh-1; Mod-1; Mod1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG209005 representing NM_008615
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGAGCCCCGAGCCCCCGCCGCCGACACACCCACCAGCGCGGCTACCTGCTGACGCGGGACCCGCATC
 TCAACAAGGACTTGGCTTTACTCTGGAAGAGAGACAGCAATTGAACATTCATGGATTGTTGCCGCCTG
 CATCGTCAGCCAGGAGCTCCAGGTCCTTAGAATAATTAAGAATTCGAGCGACTGAACTCTGACTTCGAC
 AGGTATCTTCTGTTAATGGACCTGCAAGACAGAAATGAGAAGCTCTTCTACAGCGTGCTCATGTCTGATG
 TTGAAAAGTTCATGCCTATTGTTTACACCCCCACCGTGGGCCTTGCATGCCAGCAGTACAGTTTGGCATT
 CCGGAAGCCAAGAGGCCTCTTTATTAGTATCCATGACAAAGGGCACATTGCTTCAGTTCTTAATGCATGG
 CCAGAGGATGTCGTTAAGGCTATTGTGTAAGTACGCGGAGAGCGCATCCTGGCTGGGAGACCTTGGCT
 GTAATGGGATGGGCATCCCTGTGGGTAAGTGGCCCTGTACACGGCATGTGGAGGGGTGAACCCACAACA
 GTGTCTACCCATCACTTTGGATGTGGGAACAGAAAATGAGGAGTACTTAAGGATCCACTGTACATCGGG
 CTGCGGCCACCGCGGAGTCAGAGGCCCTGAGTATGACGCCTTCTGGATGAGTTTATGGAGGCAGCGTCTT
 CCAAAATATGGCATGAATTGCCTTATTCAGTTTGAAGATTTTGCCAATCGGAATGCATTTCTGTCCTGAA
 CAAGTATCGAAACAAGTATTGCACATTTAACGATGATATTCAAGCGTCTGTTGCGGTTGCGGGTCTCCTT
 GCAGCTCTTGAATAACCAAGAACAAGCTCTGTATCAGACAGTCTGTTCCAGGGAGCTGGAGAGGCTG
 CCTTGGGATTGCTCACTTGGTTGTTATGGCCATGGAGAAAGAAGGTTTATCAAAGGAGAATGCTAGAAA
 GAAGATATGGTTGGTTGACTCAAAGGACTAATAGTTAAGGGTCGGGCTTCTCTCACAGAAGAGAAAAGAG
 GTGTTTGGCCATGAACATGAAGAAATGAAGAATCTGGAAGCCATTGTTCAAAGATAAAACCAACTGCC
 TCATAGGAGTTGCTGCAATTGGTGGTCTTCTACTGAACAAATTC AAGGATATGGCTGCCTTCAACGA
 GCGGCCCATCATCTTTGCTTTGAGCAATCCGACCAGCAAAGCGGAGTGCTCTGCAGAGCAGTGTACAAG
 GTGACCAAGGACGTGCAATCTTTGCCAGCGGCAGTCTTTTGTCCAGTCACTCTCCAGATGGACGGA
 CTCTGTTTCTGGCCAAGGCAACAATTCCTACGTGTTCCCTGGAGTTGCTCTTGGGGTGGTGGCCTGCGG
 ACTGAGACACATCGATGATAAGGTCTTCTCACCAGTCTGAGGTCATATCTCAGCAAGTGTGAGATAAA
 CACCTGCAAGAAGGCCGCTCTATCCTCCTTGAATACCATTGAGACGTTTCTGTTGAAAATTCAGTAA
 AGATTGTGCAAGATGCATACAAAGAAAAGATGGCCACTGTTTATCCTGAACCCCAAAACAAGAAGATT
 TGTCTCCTCCAGATGTACAGCACTAATTATGACCAGATCCTACCTGATTGTTATCCGTGGCCTGCAGAA
 GTCCAGAAAATACAGACCAAAGTCAACCAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG209005 representing NM_008615
 Red=Cloning site Green=Tags(s)

MEPRAPRRRHHQRGYLLTRDPLHNKDLAFTLEERQQLNIHGLLPPCIVSQELQVLRRIKKNFERLNSDFD
 RYLLMLDLQDRNEKLFYVLSMDSVEKFMPIVYPTVGLACQQYSLAFRKRPRGLFISIHDKGHIASVLNAW
 PEDVVKAIVVTDGERILGLDLCNGMIPVGLALYACGGVNPQQCLPITLDVGTENEELLKDPLYIG
 LRHRRVRGPEYDAFLDEFMEAASSKYGMNCLIQFEDFANRNAFRLLNKYRNKYCTFNDDIQASVAVAGLL
 AALRITKNKLSQTVLFGGAGEAALGIAHLVVMAMEKEGLSKENARKKIWLVDKGLIVKGRASL TEEKE
 VFAHEHEEMKNLEAIVQKIKPTALIGVAAIGGAFTEQILKDMAAFNERPIIFALSNPTSKAECSEAEQCYK
 VTKGRAIFASGSPFDPVTLDPGRTLFPQGNNVYVFPGVALGVVACGLRHIDDKVFLTTAEVISQQVSDK
 HLQEGRLYPPLNTIRDVSLKIAVKIVQDAYKEKMATVYPEPQNKEEFVSSQMYSTNYDQILPDCYPWPAE
 VQKIQTQVNVQ

TRTRPLE - GFP Tag - V

Restriction Sites:

SgfI-MluI

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_008615.1 , NP_032641.1
RefSeq Size:	3129 bp
RefSeq ORF:	1719 bp
Locus ID:	17436
UniProt ID:	P06801
Cytogenetics:	9 46.58 cM