

Product datasheet for **MR230481**

Me1 (NM_001198933) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Me1 (NM_001198933) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Me1
Synonyms:	D9Erttd267e; Mdh-1; Mod-1; Mod1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>MR230481 representing NM_001198933
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGAGACTGATCTGCGAAGACTTGGCTTTACTCTGGAAGAGAGACAGCAGTTGAACATTATGGATTGT
 TGCCGCCCTGCATCATCAGCCAGGAGCTCCAGGTCCTTAGAATAATTAAGAATTTGAACTGAACTG
 TGACTTCGACAGGTATCTCCTGTTAATGGACTGCAAGACAGAAATGAGAAGCTCTTCTACAGCGTGCTC
 ATGTCTGATGTTGAAAAGTTCATGCCTATTGTTTACACCCACCGTGGGCTCGCATGCCAGCAGTACA
 GTTTGGCATTCCGGAAGCCAAGAGGCTCTTTATTAGTATCCATGACAAAGGCACATTGCTCAGTTCT
 TAATGCATGGCCAGAGGATGTCGTCAGGCTATTGTGGTAACTGATGGAGAGCGCATCCTTGGCTGGGA
 GACCTTGGCTGTAATGGGATGGGCATCCCTGTGGTAACTGGCCCTGTACACGGCATGTGGAGGGTGA
 ACCCACAACAGTGTCTACCCATCACTTTGGATGTGGGAACAGAAATGAGGAGTTACTTAAGGATCCACT
 GTACATCGGGCTCGGCACCGGCGAGTCAGAGGCCCTGAGTATGACGCCCTCCTGGATGAGTTCATGGAG
 GCAGCGTCTTCCAAATATGGCATGAATGCCTTATTCAGTTTGAAGATTTGCCAATCGGAATGCATTTT
 GTCTCCTGAACAAGTATCGAAACAAGTATTGCACATTTAACGATGATATTCAAGGAACAGCGTCTGTTGC
 GGTTGCGGGTCTCCTTGCAGCTCTTGAATAACCAAGAACAAGCTCTCTGATCAGACAGTCTGTTCCAG
 GGAGCTGGAGAGGCTGCCTTGGGATGCTCACTTGGTTGTTATGGCCATGGAGAAAGAAGGTTTATCAA
 AGGAGAATGCTAGAAAAGAAGATATGGTTGGTTGACTCAAAGGACTAATAGTTAAGGGTCGTGCATCTCT
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 ATAAAACCAACTGCCCTCATAGGAGTTGCTGCAATTTGGTGGTCTTTACTGAACAAATCTCAAGGATA
 TGGCTGCCTTCAACGAGCGGCCATCATCTTTGCTTTGAGTAATCCGACCAGCAAAGCGGAGTGCCTGC
 AGAGCAGTGCTACAAGGTGACCAAGGGACGTGCAATCTTTGCCAGCGGCAGTCTTTTGGATCCAGTCACT
 CTCCAGATGGACGACTCTGTTTCTGGCCAAGGCAACAATTCCTACGTGTTCCCTGGAGTTGCTCTTG
 GGGTGGTGGCCTGCGGACTGAGACACATCGATGATAAGGTCTTCTCACCCTGCTGAGGTCATATCTCA
 GCAAGTGTGAGATAAACACCTGCAAGAAGCGCGCTCTATCCTCCTTTGAATACCATTGAGGCGTTTTCG
 TTGAAAATTGCAGTAAAGATTGTGCAAGATGCATACAAAGAAAAGATGGCCACTGTTTATCCTGAACCC
 AAAACAAGAAGAATTTGCTCCTCCAGATGTACAGCACTAATTATGACCAGATCTACCTGATTGTTA
 TCCGTGGCCTGCAGAAGTCCAGAAAATACAGACCAAAGTCAACCAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR230481 representing NM_001198933
 Red=Cloning site Green=Tags(s)

MRLICEDLAFTLEERQQLNIHGLLPPCIISQELQVLRRIKNERLNSDFDRYLLMLDQDRNEKLFYSVL
 MSDVEKFMPIVYPTVGLACQQYSLAFRKPRLFISIHDKGHIASVLNAPWEDVVKAIIVTDGERILGLG
 DLGCNGMGIIPVGKLALYTACGGVNPQQCLPITLDVGTENEELLKDPLYIGLRHRRVVRGPEYDAFLDEFME
 AASSKYGMNCLIQFEDFANRNAFRLLNKYRNKYCTFNDDIQGTASVAVAGLLAALRITKNKLSDQTVLFQ
 GAGEAALGIAHLVVMAMEKEGLSKENARKKIWLVDKGLIVKGRASL TEEKEVF AHEHEEMKNLEAIVQK
 IKPTALIGVAAIGGAFTEQILKDMAAFNERPIIFALSNPTSKAECSAEQCYKVTKGRAIFASGSPFDPVT
 LPDGRTLFPGQGNNSYVFPGVALGVVACGLRHIDDKVFL TTAEVISQQVSDKHLQEGRLYPPLNTIRGVS
 LKIAVKIVQDAYKEKMATVYPEPQNKEEFVSSQMYSTNYDQILPDCYPWPAEVQKIQTQVNVQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

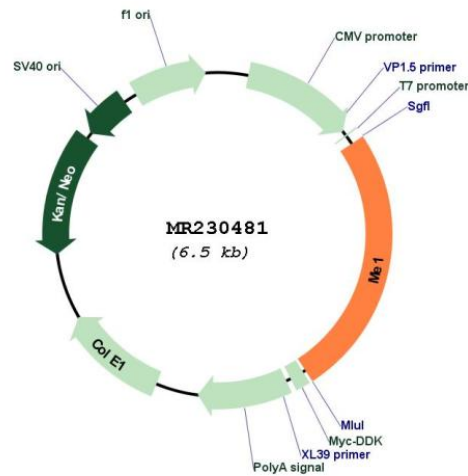
Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



Plasmid Map:



ACCN:	NM_001198933
ORF Size:	1656 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_001198933.1 , NP_001185862.1
RefSeq Size:	3335 bp
RefSeq ORF:	1659 bp
Locus ID:	17436
UniProt ID:	P06801
Cytogenetics:	9 46.58 cM
MW:	61.9 kDa