

Product datasheet for **MG223125**

Dmtf1 (NM_001110327) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Dmtf1 (NM_001110327) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Dmtf1
Synonyms:	Dimp; Dmp1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG223125 representing NM_001110327
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAGCACAGTTGAAGAGGATTCTGACACAGTAACAGTAGAAACTGTGAACCTCTGTGACGTTTACTCAGG
 ACACGGACGGGAATCTCATTCTTCATTGCCCTCAGAATGACCCTGATGAAGTAGACTCAGAAGACAGTAC
 TGAACCTCCACATAAGAGGCTTTGTTTGTCTCTGAGGATGATCAAAGCATTGATGACGCTACGCCATGC
 ATATCAGTCGTGGCACTCCCACTTTAGAAAATGATCAGAGCTTTGAGGTGACCATGACGGCAACTACAG
 AGGTGGCAGATGATGAACCTTTCTGAGGAACTGTGACACAAATTCAGATTTTACAGAATGATCAACTAGA
 TGAAATATCTCCATTGGTACTGAGGAAGTCTCAGCAGTTAGCCAAGCGTGGTTTACAATAAAGAAGAT
 AAGGATTTCTCTACTAACAAAGGACATAAATGGAAGCAGGGGATGTGGTCCAAGGAAGAAATGATATTT
 TAATGAACAACATCGAGCGCTATCTGAAGGCTCGCGGAATAAAGATGCTACAGAAATCATCTTTGAGAT
 GTCAAAAGACGAAAGAAAAGATTTCTACAGGACTATAGCGTGGGGCTGAACCGGCTTTGTTTGCAGTT
 TATAGAAGAGTGTCTGCGCATGTATGATGACAGGAACCATGTGGGAAAATACACTCCTGAAGAGATCGAGA
 AGCTCAAGGAGCTCCGGATAAAACACGGCAATGACTGGGCAACAATAGGGGCGGCCCTAGGAAGAAGTGC
 CTCTTCTGTCAAAGACCCTGCCGGCTGATGAAGGATACCTGCAACACAGGGAAATGGACAGAAGAAGAA
 GAAAAGAGACTTGACAGAGGTAGTTCATGAATTAACAAGCACGGAGCCAGGTGACATCGTCACACAGGGTG
 TGTCTTGGGCAGCTGTAGCTGAAAGAGTGGGTACCCGCTCAGAAAAGCAATGCCGTTCTAAATGGCTCAA
 CTACCTGAACTGGAAGCAGAGTGGGGTACTGAATGGACCAAGGAAGTGAATCAATCTCATCCTAAGG
 ATAGCTGAGCTTGATGTGGCCGATGAAAATGACATAAACTGGGATCTTTTAGCTGAAGGATGGAGCAGTG
 TCCGTTACCACAGTGGCTTCAAGTAAATGGTGGACCATCAAAGGCAAATGCAAACCATAAAGGATGT
 TTCATTTCTGCTTCAACAGACTCCCTGCTGCTTCTGTTGACTCAGAAACAATCACACTAACAGTGGA
 ACACTACAAACATTTGAGATTCTTCCATCTTTCCATTTACAGCCCACTGGTACTCCAGGCACCTACCTTC
 TTCAAACAAGCTCAAGTCAAGGCCTTCCCTAACACTGACCACAAATCCCACAGTAACCCTGGCAGCTGC
 TGCTCCTGCTTCTCCTGAACAGATCATTGTTTATGCTTTATCCCCAGAACATTTGTTGAACACAAGCGAT
 AATGTCACGGTACAATGTCACACACCAAGAGTCATCATTACAGACGGTAGCTACAGAGGACATCACTTCTT
 CATTATCCCAAGAGGAAGTACAGTTGATAGTGATCTTCATTCATCTGATTTCCCTGAGCCTCCAGATGC
 ACTAGAAGCAGACACTTTCCAGACGAAATTCCTCGGCTAAGATGACTATAACAACCATCATTTAATAAT
 GCTCATGTATCTAAATTCAGCGACCAAAATAGCACAGAAGTATGATGAACAGTGTGATGGTCAAGACAGAGG
 AAGAAATTGCCGACACTGACCTTAAGCAGGAAGAACCGCGTCTGACTTAGCCAGTGCTTATGTTACTGA
 GGATTTAGAGTCTCCACCATAGTGCACCAAGTTCATCAGACAATTGATGATGAAACAATACTTATCGTT
 CCTTACCTCATGGCTTTATCCAGGCATCTGATGTTATAGATACTGAATCTGTCTTGCCTTTGACAACAC
 TAACAGATCCAATATTCCAGCATCATCAGGAAGCATCAAATATAAATTGGATCATCTTTGGGCAGTCTGT
 TTCTGAAGACTCAAAGGATGTTGAGGACTTAGTAACTGTAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG223125 representing NM_001110327
 Red=Cloning site Green=Tags(s)

MSTVEEDSDTVTVETVNSVTFTQDIDGNLILHCPQNDPDEVSDSESTEPHKLCLSSIEDDQSIDDATPC
 ISVVALPLSENDQSFVMTATTEVADDELSEGTVTQIQILQNDQLDEISPLGTEEVSQAWFTTKED
 KDLSLNKGGHKKQGMWSKEEIDILMNNIERYLKARGIKDATEIIFEMSKDERKDFYRTIAWGLNRPLFAV
 YRRVLRMYDDRNHVGYKYPTEEIEKLEKLRKIKHGNDWATIGAALGRSASSVKDRCLMKDTCNTGKWTEEE
 EKRLAEVVELTSTEPGDIVTQGVSWAAVAERVGTRSEKQCRSKWLNKQSGGTEWTKEDINLILR
 IAELDVADENDINWDLLEAGWSSVRSPQWLRKSWWTIKRQIANHKDVSFPASTDSPAASVDSITLNSG
 TLQTFEILPSFHLQPTGTPGYLLQTSQQGLPLTLTNTPTVTLAAAAPASPEQIIVHALSPEHLLNTSD
 NVTVQCHTPRVIIQTVATEDITSSLSQEELTVDSLHSSDFPEPPDALEADTFDEIPRPKMTIQPSFNN
 AHVSKFSDQNSTELMNSVMVRTEEEIADTDLKQEEPPSLASAYVTEDESPTIVHVVHQTIDDETILIV
 PSPHGFIAQSDVIDTESVLPPLTLDPIFQHHQEASNIIGSSLGSPVSEDSKDVEDLVNCH

TRTRPLE - GFP Tag - V

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_001110327

ORF Size: 2073 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_001110327.1](#), [NP_001103797.1](#)

RefSeq Size: 3545 bp

RefSeq ORF: 2076 bp

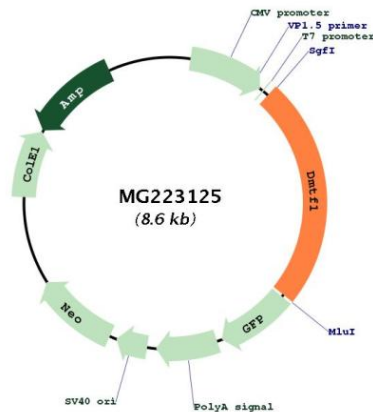
Locus ID: 23857

UniProt ID: [Q8CE22](#)

Cytogenetics: 5 A1

Gene Summary: Transcriptional activator which activates the CDKN2A/ARF locus in response to Ras-Raf signaling, thereby promoting p53/TP53-dependent growth arrest. May also cooperate with MYB to activate transcription of the ANPEP gene. Binds to the consensus sequence 5'-CCCG[GT]ATGT-3'. [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG223125