

Product datasheet for **MR223125**

Dmtf1 (NM_001110327) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Dmtf1 (NM_001110327) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Dmtf1
Synonyms:	Dimp; Dmp1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>MR223125 representing NM_001110327
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAGCACAGTTGAAGAGGATTCTGACACAGTAACAGTAGAAACTGTGAACCTCTGTGACGTTTACTCAGG
 ACACGGACGGGAATCTCATTCTTCATTGCCCTCAGAATGACCCTGATGAAGTAGACTCAGAAGACAGTAC
 TGAACCTCCACATAAGAGGCTTTGTTTGTCTCTGAGGATGATCAAAGCATTGATGACGCTACGCCATGC
 ATATCAGTCGTGGCACTCCCACTTTAGAAAATGATCAGAGCTTTGAGGTGACCATGACGGCAACTACAG
 AGGTGGCAGATGATGAACCTTTCTGAGGAACTGTGACACAAATTCAGATTTTACAGAATGATCAACTAGA
 TGAAATATCTCCATTGGTACTGAGGAAGTCTCAGCAGTTAGCCAAGCGTGGTTTACAATAAAGAAGAT
 AAGGATTCTCTACTAACAAAGGACATAAATGGAAGCAGGGGATGTGGTCCAAGGAAGAAATGATATTT
 TAATGAACAACATCGAGCGCTATCTGAAGGCTCGCGGAATAAAGATGCTACAGAATCATCTTTGAGAT
 GTCAAAAGACGAAAGAAAAGATTTCTACAGGACTATAGCGTGGGGCTGAACCGGCTTTGTTTGCAGTT
 TATAGAAGAGTGTCTGCGCATGTATGATGACAGGAACCATGTGGGAAAATACACTCCTGAAGAGATCGAGA
 AGCTCAAGGAGCTCCGGATAAAACACGGCAATGACTGGGCAACAATAGGGCGGCCCTAGGAAGAAGTGC
 CTCTTCTGTCAAAGACCCTGCCGGCTGATGAAGGATACCTGCAACACAGGGAAATGGACAGAAGAAGAA
 GAAAAGAGACTTGACAGAGGTAGTTCATGAATTAACAAGCACGGAGCCAGGTGACATCGTCACACAGGGTG
 TGTCTTGGGCAGCTGTAGCTGAAAGAGTGGGTACCCGCTCAGAAAAGCAATGCCGTTCTAAATGGCTCAA
 CTACCTGAACTGGAAGCAGAGTGGGGTACTGAATGGACCAAGGAAGTGAATCAATCTCATCTAAGG
 ATAGCTGAGCTTGATGTGGCCGATGAAAATGACATAAACTGGGATCTTTAGCTGAAGGATGGAGCAGTG
 TCCGTTTACCACAGTGGCTTCAAGTAAATGGTGGACCATCAAAGGCAAATGCAAACCATAAGGATGT
 TTCATTTCTGCTTCAACAGACTCCCCTGCTTCTGTTGACTCAGAAACAATCACACTAACAGTGGA
 ACACTACAAACATTTGAGATTCTTCCATCTTTCCATTTACAGCCCACTGGTACTCCAGGCACCTACCTTC
 TTCAAACAAGCTCAAGTCAAGGCCTTCCCCTAACACTGACCACAAATCCCACAGTAACCCTGGCAGCTGC
 TGCTCCTGCTTCTCCTGAACAGATCATTGTTTATGCTTTATCCCCAGAACATTTGTTGAACACAAGCGAT
 AATGTCACGGTACAATGTCACACACCAAGAGTCATCATTACAGACGGTAGCTACAGAGGACATCACTTCTT
 CATTATCCCAAGAGGAACTGACAGTTGATAGTGATCTTCATTCATCTGATTTCCCTGAGCCTCCAGATGC
 ACTAGAAGCAGACACTTTCCAGACGAAATTCCTCGGCTAAGATGACTATACAACCATCATTTAATAAT
 GCTCATGTATCTAAATTCAGCGACCAAAATAGCACAGAAGTATGATGAACAGTGTGATGGTCAAGCAGAGG
 AAGAAATTGCCGACACTGACCTTAAGCAGGAAGAACCGCGTCTGACTTAGCCAGTGCTTATGTTACTGA
 GGATTTAGAGTCTCCACCATAGTGCACCAAGTTCATCAGACAATTGATGATGAAACAATACTTATCGTT
 CCTTACCTCATGGCTTTATCCAGGCATCTGATGTTATAGATACTGAATCTGTCTTGCCTTTGACAACAC
 TAACAGATCCAATATTCCAGCATCATCAGGAAGCATCAAATATAAATTGGATCATCTTTGGGCAGTCTGT
 TTCTGAAGACTCAAAGGATGTTGAGGACTTAGTAACTGTAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR223125 representing NM_001110327
Red=Cloning site Green=Tags(s)

MSTVEEDSDTVTVETVNSVTFTQDIDGNLILHCPQNDPDEVDSEDSTEPPHKRLCLSSEDDQSIDDATPC
 ISVVALPLSENDQSFVMTATTEVADDELSEGTVTQIQILQNDQLDEISPLGTEEVSAVSQAWFTTKED
 KDLSLNKGHKWKQGMWSKEEIDILMNNIERYLKARGIKDATEIIFEMSKDERKDFYRTIAWGLNRPLFAV
 YRRVLRMYDDRNHVGYKYPEEIEKLKELRIKHGNDWATIGAALGRSASSVKDRCRLMKDTCNTGKWTEEE
 EKRLAEVVHELSTSTEPGDIVTQGVSWAAVAERVGTRSEKQCRSKWLNLYLNWKQSGGTEWTKEDEINLILR
 IAELDVADENDINWDLLEAGWSSVRSPQWLRSKWWTIKRQIANHKDVSFPASTDSPAASVDSETITLNSG
 TLQTFEILPSFHLQPTGTPGYLLQTSQQGLPLTLTNTPTVTLAAAAPASPEQIIVHALSPEHLLNTSD
 NVTVQCHTPRVIIQTVATEDITSSLSQEELTVDSLHSSDFPEPPDALEADTFDEIPRPKMTIQPSFNN
 AHVSKFSDQNSTELMNSVMVRTEEEIADTDLKQEEPPSLASAYVTEDESPTIVHVVHQTIDDEITILIV
 PSPHGFIAQSDVIDTESVLPPLTTLTDPFIQHHQEASNIIGSSLGSPVSEDSKDVEDLVNCH

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

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

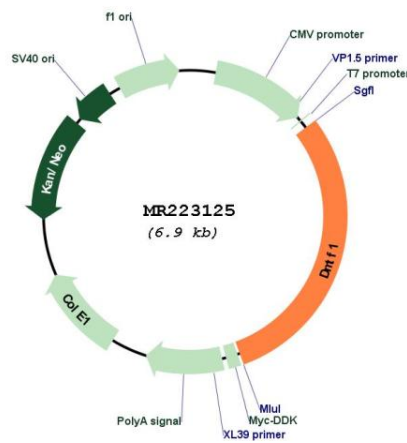
UniProt ID: [Q8CE22](#)

Cytogenetics: 5 A1

MW: 77.5 kDa

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 MR223125