

Product datasheet for **MR224325**

Dmtf1 (NM_011806) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Dmtf1 (NM_011806) 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)



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**ORF Nucleotide
Sequence:**

>MR224325 representing NM_011806
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAGCACAGTTGAAGAGGATTCTGACACAGTAACAGTAGAAACTGTGAAGTCTGTGACGTTTACTCAGG
 ACACGGACGGGAATCTCATTCTTCATTGCCCTCAGAATGACCCTGATGAAGTAGACTCAGAAGACAGTAC
 TGAACCTCCACATAAGAGGCTTTGTTTGTCTCTGAGGATGATCAAAGCATTGATGACGCTACGCCATGC
 ATATCAGTCGTGGCACTCCCACTTTAGAAAATGATCAGAGCTTTGAGGTGACCATGACGGCAACTACAG
 AGGTGGCAGATGATGAAGTTTCTGAGGAACTGTGACACAAATTCAGATTTTACAGAATGATCAACTAGA
 TGAAATATCTCCATTGGTACTGAGGAAGTCTCAGCAGTTAGCCAAGCGTGGTTTACAATAAAGAAGAT
 AAGGATTTCTCACTAACAAAGGACATAAATGGAAGCAGGGGATGTGGTCCAAGGAAGAAATGATATTT
 TAATGAACAACATCGAGCGCTATCTGAAGGCTCGCGGAATAAAAGATGCTACAGAATCATCTTTGAGAT
 GTCAAAAGACGAAAGAAAAGATTTCTACAGGACTATAGCGTGGGGCTGAACCGGCTTTGTTTGCAGTT
 TATAGAAGAGTGTCTGCGCATGTATGATGACAGGAACCATGTGGGAAAATACACTCCTGAAGAGATCGAGA
 AGCTCAAGGAGCTCCGGATAAAACACGGCAATGACTGGGCAACAATAGGGGCGGCCCTAGGAAGAAGTGC
 CTCTTCTGTCAAAGACCCTGCCGGCTGATGAAGGATACCTGCAACACAGGGAAATGGACAGAAGAAGAA
 GAAAAGAGACTTGCAGAGGTAGTTCATGAATTAACAAGCACGGAGCCAGGTGACATCGTCACACAGGGTG
 TGTCTTGGGCAGCTGTAGCTGAAAGAGTGGGTACCCGCTCAGAAAAGCAATGCCGTTCTAAATGGCTCAA
 CTACCTGAACTGGAAGCAGAGTGGGGTACTGAATGGACCAAGGAAGTGAATCAATCTCATCCTAAGG
 ATAGCTGAGCTTGATGTGGCCGATGAAAATGACATAAACTGGGATCTTTTAGCTGAAGGATGGAGCAGTG
 TCCGTTACCACAGTGGCTTCGAAGTAAATGGTGGACCATCAAAGGCAAAATGCAAACCATAAAGGATGT
 TTCATTTCTGTCTTAATAAAGGTCTTAAACAGTTACATGAGAACCAAAAAACAACCCAGTGTCTTTTG
 GAGAATAAATCAGGATCTGGAGTTCAAACAGTAATTGCAATTCAGTGTACAGCATGTTGAGATCAGAG
 TCGCCCGTTGGAAGATAATACAGCCATCTCTCAAGCCCATGGCAGCGTTGCAGATTCAGTCCAGAT
 CACCCAGTCTCTTCAACAGACTCCCCTGCTGTTCTGTTGACTCAGAAACAATCACACTAAACAGTGGAA
 AACTACAACATTTGAGATTCTCCATCTTCCATTTACAGCCCACTGGTACTCCAGGCACCTACCTTC
 TTCAAACAAGCTCAAGTCAAGGCCTTCCCCTAACACTGACCACAAATCCCACAGTAACCCCTGGCAGCTGC
 TGCTCCTGCTTCTCTGAACAGATCATTGTTTCATGCTTTATCCCAGAACATTTGTTGAACACAAGCGAT
 AATGTCACGGTACAATGTCACACACCAAGAGTCATCATTACAGACGGTAGCTACAGAGGACATCACTTCTT
 CATTATCCCAAGAGGAAGTACAGTTGATAGTGATCTTCAATTCATCTGATTTCCCTGAGCCTCCAGATGC
 ACTAGAAGCAGACACTTTCCAGACGAAATTCCTCGGCCTAAGATGACTATAACAACCATCATTTAATAAT
 GCTCATGTATCTAAATTCAGCGACCAAAATAGCACAGAAGTATGAACAGTGTGATGGTCAAGACAGAGG
 AAGAAATGCCGACACTGACCTTAAGCAGGAAGAACCCTGCTGACTTAGCCAGTGCTTATGTTACTGA
 GGATTTAGAGTCTCCACCATAGTGCACCAAGTTCATCAGACAATTGATGATGAAACAATACTTATCGTT
 CCTTACCTCATGGCTTTATCCAGGCATCTGATGTTATAGATACTGAATCTGCTTGCCTTTGACAACAC
 TAACAGATCCAATATCCAGCATCATCAGGAAGCATCAAATAAATTGGATCATCTTTGGCAGTCTCTGT
 TTCTGAAGACTCAAAGGATGTTGAGGACTTAGTAAACTGTCAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR224325 representing NM_011806
 Red=Cloning site Green=Tags(s)

MSTVEEDSDTVTVETVNSVTFTQDTDGNLILHCPQNDPDEVSDSESTEPHKLCLSSEDDQSIDDATPC
 ISVVALPLSENDQSFVMTATTEVADDELSEGTVTQIQILQNDQLDEISPLGTEEVSAVSQAWFTTKED
 KDLSLNKGGHKKQGMWSKEEIDILMNNIERYLKARGIKDATEIIFEMSKDERKDFYRTIAWGLNRPLFAV
 YRRVLRMYDDRNHVGVKYPTEEIEKLEKLRKIKHGNDWATIGAALGRSASSVKDRCLMKDTCNTGKWTEEE
 EKRLAEVVELTSTPGDIVTQGVSWAAVAERVGTRSEKQCRSKWLNKQSGGTEWTKEDINLILR
 IAELDVADENDINWDLAEGWSSVRSPQWLRKSWWTIKRQIANHKDVSFPVLKGLKQLHENQKNNPVLL
 ENKSGSGVPNSNCSSVQHVQIRVARLEDNTAISPSPMAALQIPVQITHVSSDSPAASVDSETITLNSG
 TLQTFEILPSFHLQPTGTPGYLLQTSQQGLPLTLTNPVTVLAAPASPEQIIVHALSPEHLLNTSD
 NVTVQCHTPRVIIQTVATEDITSSLSQEELTVDSLHSSDFPEPPDALEADTFPDEIPRPKMTIQPSFNN
 AHVSKFSDQNSTELMNSVMVRTEEEIADTDLKQEEPPSDLASAYVTEDESPTIVHVQVHTIDDEILIV
 PSPHGFIAQSDVIDTESVLPVLTTLTDPVIFQHHQEASNIIGSSLGSPVSEDSKDVEDLVNCH

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_011806

ORF Size: 2283 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_011806.3](#), [NP_035936.3](#)

RefSeq Size: 3755 bp

RefSeq ORF: 2286 bp

Locus ID: 23857

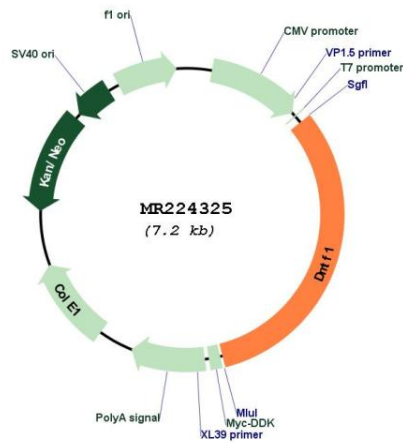
UniProt ID: [Q8CE22](#)

Cytogenetics: 5 A1

MW: 85.1 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 MR224325