

Product datasheet for **MC220499**

Dmtf1 (NM_001110327) Mouse Untagged Clone

Product data:

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



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Fully Sequenced ORF: >MC220499 representing NM_001110327
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAGCACAGTTGAAGAGGATTCTGACACAGTAACAGTAGAAACTGTGAACCTGTGACGTTTACTCAGG
 ACACGGACGGGAATCTCATTCTTCATTGCCCTCAGAATGACCCTGATGAAGTAGACTCAGAAGACAGTAC
 TGAACCTCCACATAAGAGGCTTTGTTTGTCTCTGAGGATGATCAAAGCATTGATGACGCTACGCCATGC
 ATATCAGTCGTGGCACTCCCACTTTAGAAAATGATCAGAGCTTTGAGGTGACCATGACGGCAACTACAG
 AGGTGGCAGATGATGAACCTTTCTGAGGAACTGTGACACAAATTCAGATTTTACAGAATGATCAACTAGA
 TGAAATATCTCCATTGGTACTGAGGAAGTCTCAGCAGTTAGCCAAGCGTGGTTTACAACAAAGAAGAT
 AAGGATTCTCTACTAACAAAGGACATAAATGGAAGCAGGGGATGTGGTCCAAGGAAGAAATGATATTT
 TAATGAACAACATCGAGCGCTATCTGAAGGCTCGCGGAATAAAGATGCTACAGAAATCATCTTTGAGAT
 GTCAAAAGACGAAAGAAAAGATTTCTACAGGACTATAGCGTGGGGCTGAACCGCCTTTGTTTGCAGTT
 TATAGAAGAGTGTGCGCATGTATGATGACAGGAACCATGTGGGAAAATACACTCCTGAAGAGATCGAGA
 AGCTCAAGGAGCTCCGGATAAAACACGGCAATGACTGGGCAACAATAGGGGCGGCCCTAGGAAGAAGTGC
 CTCTTCTGTCAAAGACCCTGCCGGCTGATGAAGGATACCTGCAACACAGGGAAATGGACAGAAGAAGAA
 GAAAAGAGACTTGACAGAGGTAGTTCATGAATTAACAAGCACGGAGCCAGGTGACATCGTCACACAGGGTG
 TGTCTTGGGCAGCTGTAGCTGAAAGAGTGGGTACCCGCTCAGAAAAGCAATGCCGTTCTAAATGGCTCAA
 CTACCTGAACTGGAAGCAGAGTGGGGTACTGAATGGACCAAGGAAGTGAATCAATCTCATCCTAAGG
 ATAGCTGAGCTTGATGTGGCCGATGAAAATGACATAAACTGGGATCTTTAGCTGAAGGATGGAGCAGTG
 TCCGTTACCACAGTGGCTTCGAAGTAAATGGTGGACCATCAAAGGCCAAATTGCAAACCATAAGGATGT
 TTCATTTCTGCTTCAACAGACTCCCTGCTGCTTCTGTTGACTCAGAAACAATCACACTAACAGTGGAA
 ACACTACAACATTTGAGATTCTTCCATCTTTCCATTTACAGCCCACTGGTACTCCAGGCACCTACCTTC
 TTCAAACAAGCTCAAGTCAAGGCCTTCCCTAACACTGACCACAAATCCCACAGTAACCCTGGCAGCTGC
 TGCTCCTGCTTCTCCTGAACAGATCATTGTTTATGCTTTATCCCCAGAACATTTGTTGAACACAAGCGAT
 AATGTCACGGTACAATGTCACACACCAAGAGTCATCATTACAGCGGTAGCTACAGAGGACATCACTTCTT
 CATTATCCCAAGAGGAAGTACAGTTGATAGTATCTTCACTCATCTGATTTCCCTGAGCCTCCAGATGC
 ACTAGAAGCAGACACTTTCCAGACGAAATTCCTCGGCCTAAGATGACTATAACAACCATCTTAATAAT
 GCTCATGTATCTAAATTCAGCGACCAAAATAGCACAGAAGTATGATGAACAGTGTGATGGTCAAGCAGAGG
 AAGAAATTCGCGACACTGACCTTAAGCAGGAAGAACCGCGTCTGACTTAGCCAGTGCTTATGTTACTGA
 GGATTTAGAGTCTCCACCATAGTGCACCAAGTTCATCAGACAATTGATGATGAAACAATACTTATCGTT
 CCTTACCTCATGGCTTTATCCAGGCATCTGATGTTATAGATACTGAATCTGTCTTGCCCTTTGACAACAC
 TAACAGATCCAATATCCAGCATCATCAGGAAGCATCAAATAAATTGGATCATCTTTGGGCAGTCTGT
 TTCTGAAGACTCAAAGGATGTTGAGGACTTAGTAACTGTCAC**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_001110327
- Insert Size:** 2076 bp
- OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
- 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]
Transcript Variant: This variant (2) lacks an alternate in-frame exon in the 3' coding region, compared to variant 1, resulting in a shorter protein (isoform 2), compared to isoform 1.