

Product datasheet for **MG206436**

Dmtf1 (BC045141) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Dmtf1 (BC045141) 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)
ORF Nucleotide Sequence:	>MG206436 representing BC045141 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAGCACAGTTGAAGAGGATTCTGACACAGTAACAGTAGAACTGTGAACTCTGTGACGTTTACTCAGG
ACACGGACGGGAATCTCATTCTTCATTGCCCTCAGAATGTTTCAGAAAATGATCAGAGCTTTGAGGTGAC
CATGACGGCAACTACAGAGGTGGCAGATGATGAACTTTCTGAGGAACTGTGACACAAATTCAGATTTTA
CAGAATGATCAACTAGATGAAATATCTCCATTGGTACTGAGGAACTCAGCAGTTAGCCAAGCGTGGT
TTACAACAAAGAAGATAAGGATTCTCTACTAACAAGGACATAAATGGAAGCAGGGGATGTGGTCCAA
GGAAGAAATTGATATTTAATGAACAACATCGAGCGCTATCTGAAGGCTCGCGGAATAAAAGATGCTACA
GAAATCATCTTTGAGATGTCAAAGACGAAAGAAAAGATTTCTACAGGACTATAGCGTGGGGGCTGAACC
GGCCTTTGTTGAGTTTATAGAAGAGTGTGCGCATGTATGATGACAGGAACCATGTGGGAAAATACAC
TCCTGAAGAGATCGAGAAGCTCAAGGAGCTCCGGATAAACACGGCAATGACTGGCAACAATAGGGGCG
GCCCTAGGAAGAAGTGCCTCTTCTGTCAAAGACCGCTGCCGGCTGATGAAGGATACCTGCAACACAGGGA
AATGGACAGAAGAAGAAGAAAAGAGACTTGACAGAGGTAGTTTATGAAATTAACAAGCACGGAGCCAGGTGA
CATCGTCACACAGGGTGTGCTTTGGCAGCTGTAGCTGAAAGAGTGGGTACCCGCTCAGAAAAGCAATGC
CGTCTAAATGGCTCAACTACCTGAACTGGAAGCAGAGTGGGGTACTGAATGGACCAAGGAAGATGAAA
TCAATCTCATCTAAGGATAGCTGAGCTTGTGTCGCGGATGAAAATGACATAAACTGGGATCTTTTAGC
TGAAGGATGGAGCAGTGTCCGTTACCACAGTGGCTTCGAAGTAAATGGTGGACCATCAAAGGCAAATT
GCAAACCATAGGATGTTTCATTTCTGTGTACAGCATGTTTCCAGATCAGAGTCGCCCCGCTTGAAGATAA
TACAGCCATCTCTCAAGCCCCATGGCAGCGTTGCAGATTCAGTCCAGATCACCCACGTCCTTCAACA
GACTCCCCTGCTGCTTCTGTTGACTCAGAAACAATCACAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



[View online >](#)

Protein Sequence: >MG206436 representing BC045141
 Red=Cloning site Green=Tags(s)

MSTVEEDSDTVTVETVNSVTFTQDTDGNLILHCPQNVSENDQSFVMTATTEVADDELSEGTVTQIQIL
 QNDQLDEISPLGTEEVSAVSQAWFTTKEDKDSL TNKGHKWKQGMWSKEE IDILMNNIERYLKARGIKDAT
 EIIIFEMSKDERKDFYRTIAWGLNRPLFAVYRRVLRMYDDRNHVGVKYPTEEIEKLKELRIKHGNDWATIGA
 ALGRSASSVKDRCLMKDTCNTGKWTETEEKRLAEVVHELTTSTEPGDIVTQGVSWAAVAERVGTRSEKQC
 RSKWLNLYLNWKQSGGTEWTKEDEINLILRIAELDVADENDINWDLLEAGWSSVRSQWLRSKWWTIKRQI
 ANHKDVSFPVYSMFRSESPAWKIIQPSLQAPWQRCRFQSRSPSTLQQTPLLLLLLTQKQSH

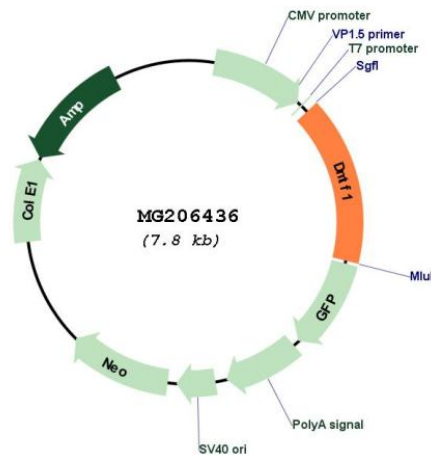
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: BC045141

ORF Size:	1232 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:	BC045141 , AAH45141
RefSeq Size:	3510 bp
RefSeq ORF:	1232 bp
Locus ID:	23857
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]