

Product datasheet for **MG206101**

Dpf2 (NM_011262) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Dpf2 (NM_011262) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Dpf2
Synonyms: 2210010M07Rik; BAF45D; Req; ubi-d4
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG206101 representing NM_011262
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCGGCTGTGGTGGAGAATGTAGTGAAGCTCCTTGGCGAGCAATACTACAAAGATGCCATGGAACAGT
 GCCACAATTATAACGCCCGCCTCTGTGCTGAACGTAGTGTGCGCCTGCCTTCTGGACTCACAGACTGG
 AGTAGCCAGAGCAATTGTTATATCTGGATGGAAAAGCGACACCGGGGACCAGGATTGGCCTCTGGACAG
 TTATACTCTATCCTGCCAGACGCTGGCGAAAAAGCGCCGAGCCACCCACCTGAGGATCCAGGCTTT
 CTTTCCCATCGATTAACCAGACACTGACCAGACTCTGAAGAAAGAGGGGCTTATCTCTCAGGATGGCAG
 CAGTTTAGAGGCTCTGTTGCGTACTGATCCCCTGGAGAAACGGGGTGCCCGAGATCCCGAGTTGACGAT
 GACAGCCTGGGCGAGTTTCTGTAGCAACAGTCGAGCACGGAAGCGGATCATTGAACCCGATGACTTCC
 TTGATGACCTTGATGATGAGGACTATGAAGAAGATACGCCAAAGCGTCGGGGGAAGGGGAAGTCCAAGAG
 TAAGGGTGTGAGCAGTGCCCGGAAGAAGCTGGATGCTTCCATCCTGGAGGACCGGATAAGCCCTATGCC
 TGTGACATTTGTGAAAACGTTACAAGAACCGACTGGCCTCAGTTACCACTATGCCCACTCCCACCTGG
 CTGAAGAGGAAGGAGAGGACAAAGAAGACTCCCGACCCCCACTCCTGTGTCCCAGAGGTCTGAGGAGCA
 GAAATCCAAGAAAGGACCTGATGGATTGGCCCTGCCTAACAACTACTGTGACTTCTGCCTAGGAGACTCA
 AAAATCAACAAGAAGACAGGGCAGCCCGAGGAGCTAGTGTCTTCCGACTGTGGCCGCTCAGGGCATC
 CGTCTGCCTGCAGTTACCCCTGTGATGATGGCGCCGTGAAGACCTACCGCTGGCAGTGCATCGAATG
 CAAGTGTGCAACCTCTGCGGCAGTCGGAGAACGACGACCAGCTACTTTTCTGTGATGACTGTGACCGT
 GGCTACCACATGTACTGTCTCACTCCTTCCATGTCTGAGCCTCCTGAAGGAAGTTGGAGTTGCCACCTGT
 GTCTGGATCTGCTGAAGGAGAAAGCATCCATCTACCAGAACCAGAACTCCTCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG206101 representing NM_011262
 Red=Cloning site Green=Tags(s)

MAAVVENVVKLLGEQYYKDAMEQCHNYNARLCAERSVRLPFLDSQTGVAQSNFYIWMKRRHRGPGGLASGQ
 LYSYPARRWRKKRRRAHPEDPRLSFPSIKPDTDQTLKKEGLISQDGSSEALLRTDPLEKRGAPDPRVDD
 DSLGEFPVNSRARKRIIEPDDFLDDLDEDEYEDTPKRRGKSKSKGVSARKKLDASILEDROKPYA
 CDICGKRYKNRPLSYHYAHSHLAEEEGEDKEDSRPPTPVSRSEEQSKKGGPDGLALPNNYCDFLGD
 KINKKTGQPEELVSCSDCGRSGHPSCLQFTPVMMAAVKTYRWQCIECKCCNLCGTSENDQQLLFCDDCDR
 GYHMYCLTPSMSEPPEGSWSCHLCLDLLKEKASIYQNQNSS

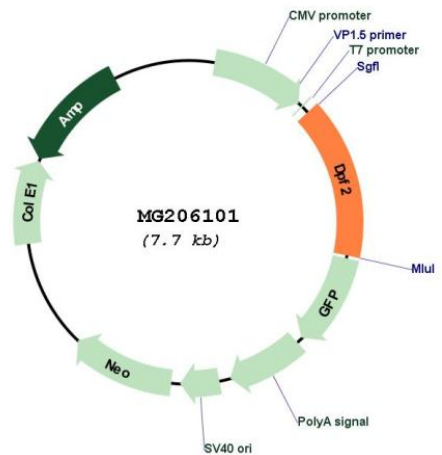
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_011262

ORF Size:	1173 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:	NM_011262.1
RefSeq Size:	2630 bp
RefSeq ORF:	1176 bp
Locus ID:	19708
UniProt ID:	Q61103
Cytogenetics:	19 4.34 cM
Gene Summary:	Plays an active role in transcriptional regulation by binding modified histones H3 and H4. Is a negative regulator of myeloid differentiation of hematopoietic progenitor cells (By similarity). Might also have a role in the development and maturation of lymphoid cells (PubMed:7961935). Involved in the regulation of non-canonical NF-kappa-B pathway (By similarity).[UniProtKB/Swiss-Prot Function]