

## Product datasheet for MR206101

### Dpf2 (NM\_011262) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Dpf2 (NM\_011262) Mouse Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Dpf2  
**Synonyms:** 2210010M07Rik; BAF45D; Req; ubi-d4  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**ORF Nucleotide Sequence:** >MR206101 ORF sequence  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGGCGGCTGTGGTGGAGAATGTAGTGAAGCTCCTTGGCGAGCAATACTACAAAGATGCCATGGAACAGT  
 GCCACAATTATAACGCCCGCCTCTGTGCTGAACGTAGTGTGCGCCTGCCTTCTGGACTCACAGACTGG  
 AGTAGCCAGAGCAATTGTTATATCTGGATGGAAAAGCGACACCGGGGACCAGGATTGGCCTCTGGACAG  
 TTATACTCTATCTGCCAGACGCTGGCGAAAAAGCGCCGAGCCACCCACCTGAGGATCCAGGCTTT  
 CTTTCCCATCGATTAACCAGACACTGACCAGACTCTGAAGAAAGAGGGGCTTATCTCTCAGGATGGCAG  
 CAGTTTAGAGGCTCTGTTGCGTACTGATCCCCTGGAGAAACGGGGTGCCCGAGATCCCGAGTTGACGAT  
 GACAGCCTGGGCGAGTTTCTGTAGCAACAGTCGAGCACGGAAGCGGATCATTGAACCCGATGACTTCC  
 TTGATGACCTTGATGATGAGGACTATGAAGAAGATACGCCAAAGCGTCGGGGGAAGGGGAAGTCCAAGAG  
 TAAGGGTGTGAGCAGTGCCCGGAAGAAGCTGGATGCTTCCATCCTGGAGGACCGGATAAGCCCTATGCC  
 TGTGACATTTGTGAAAACGTTACAAGAACCGACTGGCCTCAGTTACCACTATGCCCACTCCCACCTGG  
 CTGAAGAGGAAGGAGAGGACAAAGAAGACTCCCGACCCCCACTCCTGTGCCAGAGGTCTGAGGAGCA  
 GAAATCCAAGAAAGGACCTGATGGATTGGCCCTGCCTAACAACACTGTGACTTCTGCCTAGGAGACTCA  
 AAAATCAACAAGAAGACAGGGCAGCCGAGGAGCTAGTGTCTTCCGACTGTGGCCGCTCAGGGCAGTCA  
 CGTCTGCCTGCAGTTCACCCCTGTGATGATGGCGGCCGTGAAGACCTACCGCTGGCAGTGCATCGAATG  
 CAAGTGTGCAACCTCTGCGGCAGTCGGAGAACGACGACCAGCTACTTTTCTGTGATGACTGTGACCGT  
 GGCTACCACATGTACTGTCTCACTCCTTCCATGTCTGAGCCTCCTGAAGGAAGTTGGAGTTGCCACCTGT  
 GTCTGGATCTGCTGAAGGAGAAAGCATCCATCTACCAGAACCAGAACTCCTCC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA



**Protein Sequence:** >MR206101 protein sequence  
 Red=Cloning site Green=Tags(s)

MAAVVENVVKLLGEQYYKDAMEQCHNYNARLCAERSVRLPFLDSQTGVAQSNCYIWMEKRHRGPGGLASGQ  
 LYSYPARRWRKKRRRAHPEDPRLSFPSIKPDTDQTLKKEGLISQDGSSEALLRTPLEKRGAPDPRVDD  
 DSLGEFPVNSRARKRIIEPDDFLDDLDEDEYEDTPKRRGKSKSKGVSSARKKLDASILEDKDPYA  
 CDICGKRYKNRPLSYHYAHSHLAEEEGEDKEDSRPPTPVSRSEEQSKKGPDGLALPNNYCDFCLGDS  
 KINKTKGQPEELVSCSDCGRSGHPSCLQFTPVMMAAVKTYRWQCIECKCCNLCGTSENDDQLLFCDDCDR  
 GYHMYCLTPSMSEPPEGSWSCHLCLDLLKEKASIYQNQNSS

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\_011262

**ORF Size:** 1176 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\\_011262.1](#)

**RefSeq Size:** 3314 bp

**RefSeq ORF:** 1176 bp

**Locus ID:** 19708

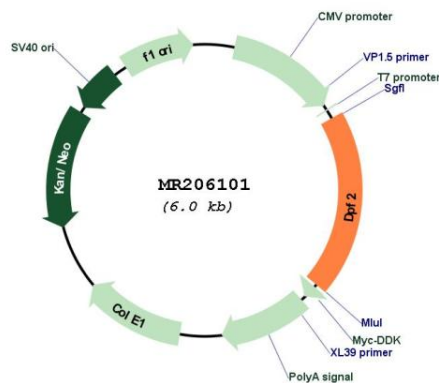
**UniProt ID:** [Q61103](#)

**Cytogenetics:** 19 4.34 cM

**MW:** 44.2 kDa

**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]

### Product images:



Circular map for MR206101