

Product datasheet for MR229742

Dpf2 (NM_001291078) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Dpf2 (NM_001291078) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Dpf2
Synonyms:	2210010M07Rik; BAF45D; Req; ubi-d4
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>MR229742 representing NM_001291078 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGCGGCTGTGGTGGAGAATGTAGTGAAGCTCCTTGGCGAGCAATACTACAAGATGCCATGGAACAGT
GCCACAATTATAACGCCCGCCTCTGTGCTGAACGTAGTGTGCGCCTGCCTTCTGGACTCACAGACTGG
AGTAGCCAGAGCAATTGTTATATCTGGATGAAAAGCGACACCCGGGACCAGGATTGGCCTCTGGACAG
TTATACTCCTATCCTGCCAGACGCTGGCGGAAAAAGCGCCGAGCCACCCACCTGAGGATCCCAGGCTTT
CTTTCCCATCGATTAACCAGACACTGACCAGACTCTGAAGAAAGAGGGCTTATCTCTCAGGATGGCAG
CAGTTTAGAGGCTCTGTTGCGTACTGATCCCTGGAGAAACGGGGTGCCCCAGATCCCCGAGTTGACGAT
GACAGCCTGGGCGAGTTTCTGTTAGCAACAGTCGAGCACGGAAGCGGATCATTGAACCCGATGACTTCC
TTGATGACCTTGATGATGAGGACTATGAAGAAGATACGCCAAAGCGTCGGGGGAAGGGGAAGTCCAAGAG
TAAGGGTGTGAGCAGTGCCCGAAGAAGCTGGATGCTTCCATCCTGGAGGACCGGATAAGCCCTATGCC
TGTGACAATAGTTTCAAACAAAAGCATACTCGAAAGCGCCCCAGAGAGTTTGTGGAAAACGTTACAAGA
ACCGACCTGGCCTCAGTTACCACTATGCCACTCCCACCTGGCTGAAGAGGAAGGACAAAGAA
CTCCCGACCCCACTCCTGTGTCCCAGAGGCTGAGGAGCAGAAATCCAAGAAAGGACCTGATGGATTG
GCCCTGCCTAACAACACTGTGACTTCTGCCTAGGAGACTCAAAAATCAACAAGAAGACAGGGCAGCCCG
AGGAGCTAGTGTCTGTTCCGACTGTGGCCGCTCAGGGCATCCGTCTGCCTGCAGTTACCCCTGTGAT
GATGGCGGCCGTGAAGACCTACCGCTGGCAGTGCATCGAATGCAAGTGTGCAACCTCTGCGGCACGTGC
GAGAACGATGACCAGCTACTTTTCTGTGATGACTGTGACCGTGGCTACCACATGTACTGTCTCACTCCTT
CCATGTCTGAGCCTCCTGAAGGAAGTTGGAGTTGCCACCTGTGTCTGGATCTGCTGAAGGAGAAAGCATC
CATCTACCAGAACCAGAACTCTCC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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ORF Size:	1215 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_001291078.1 , NP_001278007.1
RefSeq Size:	3356 bp
RefSeq ORF:	1218 bp
Locus ID:	19708
UniProt ID:	Q61103
Cytogenetics:	19 4.34 cM
MW:	46.3 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]