

## Product datasheet for **RR217080**

### **Dbf4 (NM\_001191748) Rat Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Dbf4 (NM_001191748) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Dbf4
Synonyms:	RGD1305854
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>RR217080 representing NM\_001191748  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGAACCTCGAGACCATGAGGATCCACAGCAAAGCACCTCTCCCTGGTGGCATCCAAGACAAAAATGAAA  
 AGAATAGACCATCTTTGAAATCCCTGAAAGCTGATAATAGACTGGAAAAATCCAAATATAAGCCGTTTG  
 GGGAAAAATATTTTACCTTGACTTGCCCTCTATACCATATGTGAAAACTCCAAAAAGACATAAAGGAA  
 CTTGGAGGGCGAGTTGAAGAATTTCTCAGCAAAGATATCAGTTATCTTGTTCAAATAAAAAAGGAAGCAA  
 AGTATGCACAAACGTTGGGTCGAGTTTCTCCTGTACCAAGTCCGGAATCTGCATATACTGCGGAAACAC  
 CTCCCCTCATCCCAGCCATGATGGAAGCTCCTTAAGTCTCAAGACAGAGTGTGTTTGAGCCGAGGAAAG  
 TTGTTAGCTGAGAAAGCTGTCAAGGATCATGATTTTATCCTGCTAATAGTATATTATCAAACGCCTTAT  
 CATGGGGAGTAAAGATTCTTCATATTGATGACATTCGCTACTACATTGAACAGAAGAAGAAAGCTTTGGG  
 TGCCTCAAGAAACCAAATACTTCTGGGAGGGATTCCGGGAAAAAAGCTGGTACTGGAATACAAAAAGCA  
 AGAACAGGGAGACTCAAGAAGCCGTTTTAAAGGTTGAAGATGTGAACCGGACTTACAAGCCATTTTACC  
 TTCAGCTCCCCAGTATGCCTTGATAAACTACTTCCTTCAGAAGCCTTGAGTCCGTTTGATATCGATAA  
 GTCATCTAGCATGCAGAAACACACTCAGCCTAACTCAAATTAATACGGATGGCGATAAATATGGAACC  
 CCAGCTCAAGTCCAGTTGAAGGAAAAGAGAAAAAAGGATATTGTGAATGTTGCTTGAGAAATATGAAG  
 ATCTTGAAACTCACCTTCTGAGTGAGAAACACAGGAACCTTGCACAGAGTAAACAGTATCAAGTTGTTGA  
 CGATATTGTATCTAAGTTAATTTTGTATTTGTGGAATATGAAAGAGACACACCTAAAAAGAAAAGAATA  
 AGATACAGTGTGGATCCCTGTCTTCTGTTTCTGCAAGTGTCTGCAAAACACTGAACCAAGGGAGAAGC  
 TACTGTTGGAGCCAGTTCCAGAAAGATGGAGAAGAAAGCAATGGACAACCTGCTCGAGCAGAATTTACA  
 ATGTGAAGAAACCCAGAAACCTGAAGAAAAGCATGTGTTTGGTTTCAAGAACCCACAACCTATTCTCAACT  
 GGATTTAAAGGATGTGTTGGGAAACAGTGAAGCTGATAAATGCAAGTGAAGCCTGACTTGAAGCCGGATT  
 GTGAACAGCTCCCTCTGCGTGACAATAAGCAGGAGGGCATGCGTGTGGTTCTGAACATAAAAAAAGTGT  
 AGATAGAAAGGATGTAGACCAGAGAGGAGGCGTCACTCCATGTGTGCCACAGTATGTACCTATTTTCAAGT  
 ACGGACAGTAATCTACCCCAACCAAGTTAACTGCAGACATTACACAGTTTTTCAAGCACAAGATCTGCAAG  
 AAAAGGACCTTCATGTGATTGGTCATGATTCTGAGCTGGTGAACGTTGAATTCATCAAGAGAGCAGCTAAC  
 AGTGAAGGCCAGACCTCCACCCTGTAGTCTCAGGAGCCTCATGAGGGTACAGTGAAGCATATGGAGAGT  
 CTGCCCTTGTGGTAAAATCCAGCGGAAAGTGAAGTGTATTAGGGCAAAAGAAAGCAATGTGGAACCTG  
 TGCCCAATGGGATAAGAACAGAACTGAGTATCTTCTGCACATGGAGACAGAAGTGTGGGTCAACAGT  
 ACAGTCTCTGTTGGACCTTTTTTCAAGACAAGCGGGAGAAATCAGAATTTTTGGGTTTTACAGCTCACT  
 GAAAACAGTGGAACTGTGTGATGTTTTAGATATTTGGGAGGAAGACAATCAAGTAGCCTGTTGTCAACAT  
 TTTTTCTTCCCCTTCAACTTCTGCATTTGTTGGATT

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >RR217080 representing NM\_001191748  
Red=Cloning site Green=Tags(s)

MNLETMRIHSKAPLPGGIQDKNEKNRPSLKSLKADNRLEKSKYKPLWGKIFYLDLPSITICEKLQKDIKE  
 LGGRVEEFLSKDISYLVSNKKEAKYAQTLGRVSPVSPESAYTAETTSPPHSHDGSFSKSDQDRVCLSRGK  
 LLAEKAVKDHDFIPANSILSNALSWGVIKILHIDDIRYYIEQKKKALGALKKPNTSGRDSGKKAGTGIQKA  
 RTGRLKKPFLKVEDVNRITYKPFYLLPSPMPCINYFLQKPCSPFDIDKSSSMQKHTQPKLKINTDGDYKGT  
 PAQVQLKEKRKKGYCECCLQKYEDLETHLLSEKHRNFAQSNQYQVVDIVSKLIFDFVEYERDTPKKKRI  
 RYVSGSLSSVSASVQLNTEPREKLLLEPSFQKDGEESENGQLEQNLQCEETQKPEEKHVFGSEPTTYSST  
 GFKGCVGKPVSLINASEPDLKPDCEQLPLRDNKQEGMRVGSEHKITVDRKDVDQRRGVTPCVPQSCYFVS  
 TDSNLPQPKLTADITQFSAQDLQEKDLHVI GHDSSELVTLNSSREQLTVKARPPPCSPQEPHEGHSEHMES  
 LPCGKIQRKVRMLLGGQKANVEPGAEDKNRTEYLPAHGDRTCGSPVQSLLDLDFQTSGEKSEFLGFTSYT  
 ENSGICDVLDIWEEDNSSLLSTFFSSPSTSAFVGF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_001191748

**ORF Size:** 1998 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\\_001191748.1](#), [NP\\_001178677.1](#)

**RefSeq Size:** 2263 bp

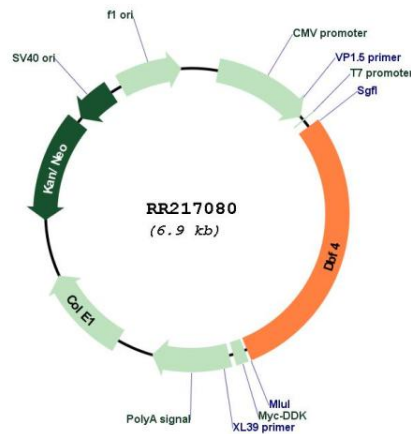
**RefSeq ORF:** 2001 bp

**Locus ID:** 312046

**Cytogenetics:** 4q12

**MW:** 74.8 kDa

**Product images:**



Circular map for RR217080