

## Product datasheet for **RR214733**

### Dffb (NM\_053362) Rat Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Dffb (NM\_053362) Rat Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Dffb  
**Synonyms:** Cad  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**ORF Nucleotide Sequence:** >RR214733 representing NM\_053362  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGCC**

ATGTGCGCGGTGCTCCCCAACCCAAATGCGTCAAGTTGCGAGCTCTACACAGCTCGTGCAAGTTCGGCG  
TGGCGGCCCGGAGCTGCCAGGAGCTGCTGCGCAAGGGTTGTATCCGCTTCCAGCTCCCGGTGCCCGGCTC  
CCGGCTGTGCATGTACGAAGATGGCAGGAGGTGACCGACGACTGCTTCCGAGCCTTCCAACGACTCT  
GAGCTCCTATTGCTCACCCTGGAGAGACTGGCAGGCTATGTGAGTGACATCACAGTCTCCTCAGTG  
TGTTTAAACGAGCCACATGCCGGGTTCATCCAGGCTGCGCGGCAACTGCTGTGAGTGAGCAGGCCCACT  
GAGGCAGAAGCTGCTGGCCGACCTTCTGCATCATGTGAGCCAGAATATTACTGCAGAGACCCGGGAACAG  
GACCCATCCTGGTTTGAAGTTTGGAGTCTCGATTGAGGAATAAGTCTGGCTACCTGAGATACAGCTGTG  
AGAGCCGGATCCGGGTTACCTGAGAGAGGTGAGCGCTTACATCTCAATGGTGGATGCAGCAGCCCGGA  
AGAGTACCTGCGGGTCTCAGCTCCATGTGCCACAAGCTCAAGTCCGTGCAGTACAACGGCAGCTATTTT  
GACAGAGGTGCAGAGGCCAGCAGCCGCTTTGTACCCAGAAGGCTGTTCTCCTGCCAGGGCCCCCTTG  
ACTTGGAGAGCTGTCTCTCCAAACTCCATCAACCCCTATGGCAACAGAGAGAGCCGGATCCTCTCAG  
TACCTGGAACCTGGACATATAATAGAGAAGAAGCGCACCGTGGTGGCCAGCTGGCTGAAGCAATCCAG  
GACGGGAGGGAAGTGAAGTGGGAGTACTTCTACAGCCTGCTCTTCACTGCCGAGAACCTGAAGCTAGTGC  
ACATCGCCTGCCACAAGAAGACCACACAAGCTGCAGTGCAGCCGACGAGGATCTATCGGCCTCAGAC  
AGGATCCAGGAGGAAGCAGCCCCCTCGGAAGCAGCCCCCTCGGAAGCGCCCCCTCGGAAACGCCAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RR214733 representing NM\_053362  
 Red=Cloning site Green=Tags(s)

MCAVLPQPKCVKLRALHSSCKFGVAARSCQELLRKGCI RFQLPVPGRSLCMYEDGTEVTDDCFPSLPNDS  
 ELLLLTAGETWHGYVSDITRLLSVFNPHAGVIQAARQLLSDEQAPLRQKLLADLLHHVSNITAE TREQ  
 DPSWFEGLSESRFRNKSGYLRYSCESRIRGYLREVSAYISMVDAAREEYLRVLSMCHKLKSVQYNGSYF  
 DRGAEASSRLCTPEGWFS CQGPFDLESLSKHSINPYGNRESRILFSTWNLDHIIEKKRTVVPTLAEAIQ  
 DGREVNWEYFYSL LFTAENLKL VHIACHKKTTHKLQCDRSRIYRPQTGSRRKQP PPRKQP PPRKRP PPRK RQ

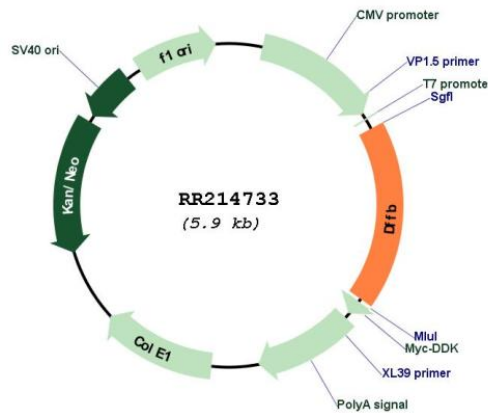
**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

**Restriction Sites:** Sgfl-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_053362

**ORF Size:** 1047 bp

|                               |   |
|-------------------------------|---|
| <b>OTI Disclaimer:</b>        | 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. <a href="#">More info</a>  |
| <b>OTI Annotation:</b>        | This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.  |
| <b>Components:</b>            | 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).  |
| <b>Reconstitution Method:</b> | <ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol> |
| <b>RefSeq:</b>                | <a href="#">NM_053362.1</a> , <a href="#">NP_445814.1</a>   |
| <b>RefSeq Size:</b>           | 1316 bp   |
| <b>RefSeq ORF:</b>            | 1050 bp   |
| <b>Locus ID:</b>              | 84359   |
| <b>UniProt ID:</b>            | <a href="#">Q99N34</a>  |
| <b>Cytogenetics:</b>          | 5q36  |
| <b>MW:</b>                    | 40.1 kDa  |
| <b>Gene Summary:</b>          | endogenous endonuclease; mediates caspase-3-dependent internucleosomal DNA degradation and related nuclear alterations [RGD, Feb 2006]  |