

## Product datasheet for **MC220031**

### **Dcaf15 (NM\_172502) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Dcaf15 (NM_172502) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Dcaf15
Synonyms:	6720484B16
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >MC220031 representing NM\_172502  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGGCGCCAGCTCGAAATCGGAGCGGAACAGCGGGCCGGGAGCGCCGGCGGAGGCCCTGGGGGACCG  
 GGGGAAGCGGGCGGTGGGGCGGCGGGGAACACGTTCTCAAGCAGCTGGAGCGAGTCAAGATCAGTGG  
 GCAGCTCTCACCTCGTCTTTCCGGAAGCTGCCCCAGGGTCTGCGTGTCCCTCAAGAACATCGTAGAT  
 GAGGATTTCTCTATGCAGGCCATATCTTCTGGGATTTTCCAAGTGTGGCCGCTATGCTCTCTCTACA  
 CCAGCAGCAGTGGGGATGACGACTTCTCTTCTACATATACCTCTACTGGTGGGAGTTCAACGTCCA  
 CAGCAAGCTCAAGCTGGTCCGCGCAGGTGCGGCTTCCAGGACGAGGAGATCTACAGTACCTGTACCTG  
 ACTGTGTGTGAGTGGCTAGCGACGCTTCCAAGTTCATCGTGTGGTTTCAACACCCGCTCGGCCAACG  
 GGATGCTCATGAACATGATGATGATGAGCGATGAGAACCATCGTGACATCTACATCAGCACTGTGGCTGT  
 GCCACCTCGGGCCGTTGTGCTGCTGCCAGGATGCCAGTTCGTCACCCAGGGGACCCAAAGCGCACAG  
 TGCTGCGGCATGGCTTCATGCTGCACACCAAATACCAGGTGGTGTACCCCTTCCCACCTTCCAACCCG  
 CCTTCCAACCAAGAAGGATCAGGTGGTGTGCTCAACACCAGCTACTCCCTGGTGGCCTGCGCTGTCTC  
 TGTCCACTCAGCAGGTGACAGCAGTTTCTGCCAAATCCTGTATGACCACACAGCTTTGCCCCAGCCCCA  
 CCCAGTTCTCCAGGACCTTGGAGCCCTGAGGCAGCCCCAGCCTTCCCAGTCTTGGTGTGGAGGTGGTCC  
 CAGCCCAGCCCTCTGGAGCCCTGAGCCCTCACCAGCCATTGCCAAGGCCAAGGAGTTTGTAGCTGACAT  
 CTTCCGCGAGGGCTAAAGAGGCCAAGGGTAGTCCCTTGGAGGAACTCGGTCGCCCTTAGCTTGGGGCC  
 TCAAGCAGCCGCTGCCGCCATCTTTAGAGCCGAAGCCCAAGTGGGAAGTGGTACCCAGGGACAGCC  
 CTCTGCTGCAGAGACCACTGCCCTGAGCCTGGCTACATCAATTACACCAAGTTGCATATGTGTTGCA  
 GTCTGGGAAGGGACAGAGCCTGAGGATGAGTTTGGAGGATGACAAGATCTCCCTGCCTTTTGTGGTGACT  
 GATCTCCGTGGCCGCAACTTACGGCCATGCGAGAGCGGACAGACATGCAGGGCCAGTACCTGACAGTGG  
 AGCAGCTTACCCTGGACTTCGAGTATGTCATCAATGAGGTTCATCCGCCATGATGCCACTTGGGGTACCA  
 GTTCTGCTCTTTCAGTACTATGACATAGTCTTGGAGGTCTGCCAGAAACCAACCAGGTCCTGATC  
 AACATTGGCCTGCTGCTTGGCCTTCCAGCTCCCACTGAAGAGGGCCAGCTTCGACCCAAAGACCTATC  
 ACACCAGTCTCAAGGTGGCCTGGGACCTCAACACAGGCATCTTTGAGACAGTCAGCGTGGGTGATCTAAC  
 TGAGGTCAAAGGACAGACCAGTGGCAGTGTCTGGAGCTCCTACCGAAAGAGCTGTGTGGACATGGTCATG  
 AAATGGCTGGTGGCAGAGAGCAGTGGCCGCTATGTGAACAGGATGACAAACGAGGCACTGCACAAAGGTA  
 GGAAGTGCCCTAGCTGGGACAGACCTGATCTTACCCTGGATCCCGGCATGCTGGACGTAAGGAGTGT  
 CCTGGGATCTGAGTGGCATCCAGCTATGGCTGGAGAAGCGGGGTGCTCACTGAAGTTCTGGCAGACAGT  
 GAGCGGTACACTTGGATTGTGCT**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_172502  
**Insert Size:** 1917 bp

**OTI Disclaimer:** Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at [custsupport@origene.com](mailto:custsupport@origene.com) or by calling 301.340.3188 option 3 for pricing and delivery.

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](#)

**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\\_172502.3](#), [NP\\_766090.2](#)

**RefSeq Size:** 2312 bp

**RefSeq ORF:** 1917 bp

**Locus ID:** 212123

**UniProt ID:** [Q6PFH3](#)

**Cytogenetics:** 8 C2

**Gene Summary:** May be involved in ubiquitination and degradation through a DBB1-CUL4 E3 protein-ubiquitin ligase.[UniProtKB/Swiss-Prot Function]