

## Product datasheet for **MR218490**

### **Dcaf17 (NM\_001165981) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Dcaf17 (NM_001165981) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Dcaf17
Synonyms:	2810055O12Rik; 4833418A01Rik; A030004A10Rik; A930009G19Rik; AI448937
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**ORF Nucleotide Sequence:**

>MR218490 representing NM\_001165981  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGGCCGGACCCGGAAGCCAATGTGTGCCCGCAGGCTGAGTCGCCGGGCTCTGGGCTTCTATGCACGCG  
 ACGCAGGCGTGGTGCAGAGGACGAACCTGGGCATCCTGCGGGCGCTGGTGTGCCAGGAGAGTAAAT  
 TAAGAATGTTGGACAACCTATTCCAAGTCACCTATAGCCTATGAGAGAGGAAGAATATATTTTGA  
 TACCGGTGCTGTGCAGCAGTGTGCATCAGAGCCAAGAAAACCTTATGAAATGCCAAAATGTTCCAAAT  
 CAGAAAAATGAGGATGCTTTATATGGGAATGCCCAGTGGGAGACATACTTCTGACCCATCAGACTA  
 TAAATCCTCACTCATAGCCCTGACTGCTCATAATTGGTGCTTCTGATATCCGCAACTACAGGGGAAGTC  
 CTGGAGAAAATACCTTGCTTCTACTGCAAATTCAGGTACCTGAGCTGGGACACACCTCAGGAGGTCA  
 TCGCAGTGAAGTCGGCTCAGAACAAGGCTCCGCAGCGGCTGCCAGGCAGGCACCTCACCACCGTTTT  
 GTTGACCTCGCAGTGTCCGGTCTGCCCTTTTCACTTGTAGGGATTCTAGAGATCAAAAAAGGTT  
 TTTGAGAAATGTCACAGATGCTACCTTGTACATGGAATCCTGATTGTGATGTACAGCTCGGGACTAGTCA  
 GACTCTACAGTTCCAAGCCATCATCGAACAGTTCATGCAACAGAACTGACTTAGGGTGTGCATGCAG  
 TCAGGGCGGGACTACTGGGACTGTAGGAGAGGCTCCTTTTGGCATTCTTGTAAATGTTAAAATCACAGAC  
 TCACCACCTCCACTCTTTGAAGTTTCACTCTGGAGAACGCATCCAGATTGGAGGCCATCCTTGGCACT  
 ACATCATCACGCCTAATAAGAAGAAACAGAAAGGAGTTTTTTCATATTTGTGCCCTAAAAGATAATCTTT  
 GGCAAAAATGGAATCCAAGAAATGGAGTGTCTTATTAGAACTGACTGGATCTATTTCCACCCTGAT  
 GCTTCTGGAAGAATAATACATGTTGGCCAAACCAAGTCAAAGTCTTGAAGCTAAGTGAAGTGAAGTGA  
 ATAGTTCTCAGCATCAGATCTCTGAAGATTTTGTCAATTTGGGCTAAAAGAGAAGACAGAAAGGAAAAT  
 AATCACCGTTACAGCTTCTGGACGTGTGGTGAAGAAATGTACGCCTTCTGGATGATGACCCAGAACAA  
 GAGACTTTCAAATCGTGGACTATGAAGATGAGTTGGACTTACTTTCCGTAGTAGCTGCTCAATAG  
 ATGCTGAAGGAAAAGCTCACCTGGATTTCCACTGTAATGAATATGGAACCTTACTCAAAGCATCCCACT  
 AGTGGAGTGTGGGATGTGACATATAGCCATGAAGTCTACTTTGACAGAGATTTGGTGTGCACATCGAA  
 CAGAAGCCCAACAGGCTTTCAGCTGCTATGTTTACCAGATGGTCTGTGACCCTGGAGAAGAGGAGGAAG  
 CTGTCAACAGAAGTGGT

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>MR218490 representing NM\_001165981  
 Red=Cloning site Green=Tags(s)

MGRTRKANVCRRLSRRALGFYARDAGVVQRTNLGILRALVCQESTKFKNVWTTTHSKSPIAYERGRIYFDN  
 YRCCVSSVASEPRKLYEMPKCSKSEKIEDALLWECVPVDILPDPDYKSSLIALTAHNWLRLISATTGEV  
 LEKIYLYASYCKFRYLSWDTPQEVIAVKSQNKGSAAARQAGTSPPVLLYLAVFRVLPFSLVGLIEINKKV  
 FENVTDATLSHGILIVMYSSGLVRLYSFQAIIEQFMQQKLDLGCACSQGGTTGTVEEAPFGIPCNVKITD  
 SPPPLFEVSSLENAFQIGGHPWHYIITPNKKKQKGVFHICALKDNSLAKNGIQEMECCSLESDWIYFHPD  
 ASGRIIHVGNQVKVLKSEVENDSSQHQISEDFVIWAKREDRKENLITVTASGRVVKRNVSLDDDDPEQ  
 ETFKIVDYEDLDLLSVVAVTQIDAEGKAHLDFHCNEYGTLLKSIPLVESWDVTSHEVYFDRDLVLHIE  
 QKPNRVFSCYVYQMVCDPGESEEEAVNRSG

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-MluI

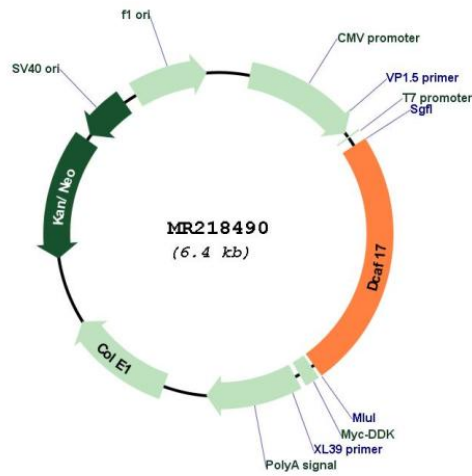
Cloning Scheme:

Cloning sites used for ORF Shutting:



\* The last codon before the Stop codon of the ORF

Plasmid Map:



<b>ACCN:</b>	NM_001165981
<b>ORF Size:</b>	1557 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_001165981.1</a> , <a href="#">NP_001159453.1</a>
<b>RefSeq Size:</b>	1942 bp
<b>RefSeq ORF:</b>	1560 bp
<b>Locus ID:</b>	75763
<b>UniProt ID:</b>	<a href="#">Q3TUL7</a>
<b>Cytogenetics:</b>	2 C2
<b>MW:</b>	58.8 kDa
<b>Gene Summary:</b>	May function as a substrate receptor for CUL4-DDB1 E3 ubiquitin-protein ligase complex. [UniProtKB/Swiss-Prot Function]