

## Product datasheet for MR219128

### Dcaf17 (NM\_001165982) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Dcaf17 (NM_001165982) 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
ORF Nucleotide Sequence:	>MR219128 representing NM_001165982 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCCGCGATCGCC

ATGGGCCGGACCCGGAAGGCCAATGTGTGCCGAGGCTGAGTCGCCGGGCTCTGGCTTCTATGCACGG  
ACGCAGGCGTGGTGCAGAGGACGAACCTGGGCATCCTGCGGGCGCTGGTGTCCAGGAGAGTACTAAAT  
TAAGAATGTTGGACAACCTATTCCAAGTCACCTATAGCCTATGAGAGAGGAAGAATATATTTTGACAAT  
TACCGGTGCTGTGTCAGCAGTGTTCATCAGAGCAAGAAAACCTTATGAAATGCCAAAATGTTCCAAAT  
CAGAAAAAATTGAGGATGCTTTATTATGGGAATGCCAGTGGGAGACATACTTCCTGACCCATCAGACTA  
TAAATCCTCACTCATAGCCCTGACTGCTCATAATTGGCTGCTTCGTATATCCGCAACTACAGGGGAAGTC  
CTGGAGAAAAATACCTTGCTTCTACTGCAAATTCAGGTACCTGAGCTGGGACACACCTCAGGAGGTCA  
TCGCAGTGAAGTCGGCTCAGAACAAAGGCTCCGCAGCGGCTCGCCAGGCAGGCACCTCACCACCCGTTTT  
GTTGTACCTCGCAGTGTCCGGTTCTGCCCTTTTCACTTGTAGGGATTCTAGAGATCAACAAAAAGGTT  
TTTGAGAAATGTCACAGATGCTACCTGTACATGGAATCCTGATTGTGATGTACAGCTCGGGACTAGTCA  
GACTCTACAGCTTCCAAGCCATCATCGAACAGACTCACCACCTCCACTTTTGAAGTTTCATCTCTGGAG  
AACGCATTCCAGATTGGAGCCATCCTTGGCACTACATCATCACGCCAATAAGAAGAAAACAGAAAGGAG  
TTTTTCATATTTGTGCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >MR219128 representing NM\_001165982  
 Red=Cloning site Green=Tags(s)

MGRTRKANVCRRLSRRALGFYARDAGVVQRTNLGILRALVCQESTKFKNVWTTTHSKSPIAYERGRIYFDN  
 YRCCVSSVASEPRKLYEMPKCSKSEKIEDALLWECVPVDILPDPDYKSSLIALTAHNWLLRISATTGEV  
 LEKIYLAASYCKFRYLSWDTPQEVIAVKSQNKGSAAARQAGTSPPVLLYLAVFRVLPFSLVGILEINKKV  
 FENVTDATLSHGILIVMYSSGLVRLYSFQAIIEQTHHLHSLKFHLWRTHSRLEAILGTTSSRLIRRNRKE  
 FFIFVP

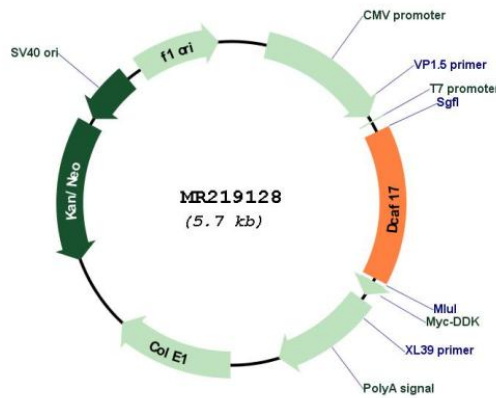
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_001165982

**ORF Size:** 858 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](#)

**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\\_001165982.1](#), [NP\\_001159454.1](#)

**RefSeq Size:** 2529 bp

**RefSeq ORF:** 861 bp

**Locus ID:** 75763

**UniProt ID:** [Q3TUL7](#)

**Cytogenetics:** 2 C2

**MW:** 33 kDa

**Gene Summary:** May function as a substrate receptor for CUL4-DDB1 E3 ubiquitin-protein ligase complex. [UniProtKB/Swiss-Prot Function]