

Product datasheet for **MG208126**

Dcaf17 (NM_198005) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Dcaf17 (NM_198005) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Dcaf17
Synonyms:	2810055O12Rik; 4833418A01Rik; A030004A10Rik; A930009G19Rik; AI448937
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG208126 representing NM_198005
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGGCCGACCCGGAAGCCAATGTGTGCCCGCAGGCTGAGTCGCCGGGCTCTGGGCTTCTATGCACGCG
 ACGCAGCGTGGTGCAGAGGACGAACCTGGGCATCCTGCGGGCGCTGGTGTGCCAGGAGAGTAAAT
 TAAGAATGTTGGACAACCTATTCCAAGTCACCTATAGCCTATGAGAGAGGAAGAATATATTTTGACAAT
 TACCGGTGCTGTGCAGCAGTGTGCATCAGAGCCAAGAAAACCTTATGAAATGCCAAAATGTTCCAAAT
 CAGAAAAAATTGAGGATGCTTTATTATGGGAATGCCCAGTGGGAGACATACTTCTGACCCATCAGACTA
 TAAATCCTCACTCATAGCCCTGACTGCTCATAATTGGTGTCTCGTATATCCGCAACTACAGGGGAAGTC
 CTGGAGAAAATACCTTGCTTCTACTGCAAATTCAGGTACCTGAGCTGGGACACACCTCAGGAGGTCA
 TCGCAGTGAAGTCGGCTCAGAACAAGGCTCCGCAGCGGCTGCCAGGCAGGCACCTCACCACCGTTTT
 GTTGTACCTCGCAGTGTCCGGTCTGCCCTTTTCACTTGTAGGGATTCTAGAGATCAACAAAAAGGTT
 TTTGAGAAATGTCACAGATGCTACCTTGTACATGGAATCCTGATTGTGATGTACAGCTCGGGACTAGTCA
 GACTCTACAGTTCCAAGCCATCATTGAACAGTTCATGCAACAGAAAACCTGACTTAGGGTGTGCATGCAG
 TCAGGGCGGGACTACTGGGACTGTAGGAGAGGCTCCTTTTGGCATTCTTGTAAATGTTAAAAACACAGAC
 TCACCACCTCCACTCTTTGAAGTTTCATCTCTGGAGAACGCATCCAGATCGGAGGCCATCCTTGGCACT
 ACATCATCACGCCTAATAAGAAGAAACAGAAAGGAGTTTTTCATATTTGTGCCCTAAAAGATAATTCCTT
 GGCAAAAAATGGAATCCAAGAAATGGAGTGTCTTATTAGAACTGACTGGATCTATTTCCACCCTGAT
 GCTTCTGGAAGAATAATACATGTTGGCCAAACCAAGTCAAAGTCTTGAAGCTAAGTGAGGTAGAAAATG
 ATAGTTCTCAGCATCAGATCTCTGAAGATTTTGTCAATTTGGGCTAAAAGAGAAGACAGAAAAGAAAATTT
 AATCACCGTTACAGCTTCTGGACGTGTGGTGAAGAAATGTCAGCCTTCTGGATGATACCCAGAACAA
 GAGACTTTCAAAATCGTGGACTATGAAGATGAGTTGGACTTGCTTTCCGTAGTAGCTGCTCAATAG
 ATGCTGAAGGAAAAGCTCACCTGGATTTCCACTGTAATGAGTATGGAACCTTACTCAAAGCATCCCACT
 AGTGGAATCATGGGATGTGGTATGTATAATGTCTGGGACACTAAGTTGTAAGGGTTTCTTTACAGGTGC
 CATTTATTAGACCATGTCCATATCAGTCCAGATTCACCTGTGCTG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG208126 representing NM_198005
 Red=Cloning site Green=Tags(s)

MGRTRKANVCRRLSRRALGFYARDAGVVQRNLGILRALVCQESTKFKNVWTTTHSKSPIAYERGRIYFDN
 YRCCVSSVASEPRKLYEMPKCSKSEKIEDALLWECVGDILPDPDYKSSLIALTAHNWLRLISATTGEV
 LEKIYLASYCKFRYLSDWTPQEVIAVKSQNKGSAAARQAGTSPVLLYLAVFRVLPFSLVGLILEINKKV
 FENVTDATLSHGILIVMYSSGLVRLYSFQAIIEQFMQKLDLGCACSQGGTTGTVEAPFGIPCNVKITD
 SPPPLFEVSSLENAFQIGGHPWHYIITPNKKKQKGVFHCALKDNSLAKNGIQEMECCSLESWDWIYFHPD
 ASGRIIHVGNQVKVLKSEVENDSSQHQISEDFVIWAKREDRKENLITVTASGRVVKRNVSLDDDDPEQ
 ETFKIVDYEDELDLLSVVAVTQIDAEGKAHLDFHCNEYGTLLKSIPLVESWDVVCIMSGTSLCKGFLYRC
 HLLDHVHISPDPVPL

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:

Cloning sites used for ORF Shutting:



EcoRI
BamHI *KpnI*
RBS
Kozac
Consensus
SgfI
AscI

CTATAGGGCGGCCGGGAATTCGTGACTGGATCCGGTACCGAGSAGATCTGCCGCCGATCGCCGGCGCCAGATCT

HindIII
NheI *RsrII*
MluI
NotI
XhoI
GFP Tag

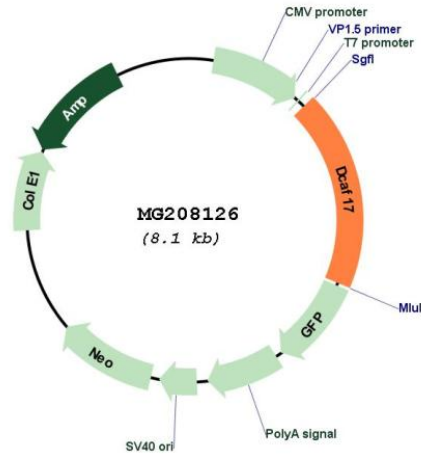
CAAGCTTAAGCTAGCTAGCGGACCG ACG CGT ACG CGG CCG CTC GAG ATG GAG AGC GAC --- --- --- ---

PmeI
FseI

--- --- GAA GAA AGA GTT TAA ACGGCCGGCCGGGAGCT

- - - E E R V Stop

Plasmid Map:



ACCN: NM_198005

ORF Size: 1515 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_198005.1](#), [NP_932122.1](#)

RefSeq Size: 1718 bp

RefSeq ORF: 1518 bp

Locus ID: 75763

UniProt ID: [Q3TUL7](#)

Cytogenetics: 2 C2

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