

Product datasheet for **MG217053**

Dcaf17 (NM_001165980) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Dcaf17 (NM_001165980) 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:

>MG217053 representing NM_001165980
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGGCCGGACCCGGAAGCCAATGTGTGCCCGCAGGCTGAGTCGCCGGGCTCTGGGCTTCTATGCACGCG
 ACGCAGGCGTGGTGCAGAGGACGAACCTGGGCATCCTGCGGGCGCTGGTGTGCCAGGAGAGTAAAT
 TAAGAATGTTGGACAACCTATTCCAAGTCACCTATAGCCTATGAGAGAGGAAGAATATATTTTGA
 TACCGGTGCTGTGCAGCAGTGTGCATCAGAGCCAAGAAAACCTTATGAAATGCCAAAATGTTCCAAAT
 CAGAAAAAATTGAGGATGCTTTATTATGGGAATGCCCAGTGGGAGACATACTTCTGACCCATCAGACTA
 TAAATCCTCACTCATAGCCCTGACTGCTCATAATTGGTGTCTCGTATATCCGCAACTACAGGGGAAGTC
 CTGGAGAAAATACCTTGCTTCTACTGCAAATTCAGGTACCTGAGCTGGGACACACCTCAGGAGGTCA
 TCGCAGTGAAGTCGGCTCAGAACAAAGGCTCCGCAGCGGCTGCCAGGCAGGCACCTCACCACCCGTTTT
 GTTGTACCTCGCAGTGTCCGGGTTCTGCCCTTTTCACTTGTAGGGATTCTAGAGATCAACAAAAAGGTT
 TTTGAGAAATGTCACAGATGCTACCTTGTCACATGGAATCCTGATTGTGATGTACAGCTCGGGACTAGTCA
 GACTCTACAGTTCCAAGCCATCATCGAACAGTTCATGCAACAGAAACTGACTTAGGGTGTGCATGCAG
 TCAGGGCGGGACTACTGGGACTGTAGGAGAGGCTCCTTTTGGCATTCTTGTAAATGTTAAAAACACAGAC
 TCACCACCTCCACTCTTTGAAGTTTCACTCTGGAGAACGCATCCAGATTGGAGGCCATCCTTGGCACT
 ACATCATCACGCCTAATAAGAAGAAACAGAAAGGAGTTTTTTCATATTTGTGCCCTAAAAGATAATCTTT
 GGCAAAAAATGGAATCCAAGAAATGGAGTGTCTTATTAGAACTGACTGGATCTATTTCCACCCTGAT
 GCTTCTGGAAGAATAATACATGTTGGCCAAACCAAGTCAAAGTCTTGAAGCTAAGTGAGGTAGAAAATG
 ATAGTTCTCAGCATCAGATCTCTGAAGATTTTGTCAATTTGGGCTAAAAGAGAAGACAGAAAGGAAAAAT
 AATCACCGTTACAGCTTCTGGACGTGTGGTGAAGAAATGTCAGCCTTCTGGATGATGACCCAGAACAA
 GAGACTTTCAAAATCGTGGACTATGAAGATGAGTTGGACTTACTTTCCGTAGTAGCTGCTCAATAG
 ATGCTGAAGGAAAAGCTCACCTGGATTTCCACTGTAATGAATATGGAACCTTACTCAAAGCATCCCACT
 AGTGGAGTCATGGGATGTGACATATAGCCATGAAGTCTACTTTGACAGAGATTTGGTGTGCACATCGAA
 CAGAAGCCCAACAGGCTTTCAGCTGCTATGTTTACCAGATGGTCTGTGACCCTGGAGAAGAGGAGGAAG
 CTGTCAACAGAAGTGGT

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>MG217053 representing NM_001165980
 Red=Cloning site Green=Tags(s)

MGRTRKANVCRRLSRRALGFYARDAGVVQRNLGILRALVCQESTKFKNVWTHSKSPIAYERGRIYFDN
 YRCCVSSVASEPRKLYEMPKCSKSEKIEDALLWECVGDILPDPSDYKSSLIALTAHNWLLRISATTGEV
 LEKIYLASYCKFRYLSWDTPQEVIAVKSQNKGSAAARQAGTSPPVLLYLAVFRVLPFSLVGIILEINKKV
 FENVTDATLSHGILIVMYSSGLVRLYSFQAIIEQFMQKLDLGCACSQGGTTGTVGEAPFGIPC�VKITD
 SPPPLFEVSSLENAFQIGGHPWHYIITPNKKKQKGVFHICALKDNLSAKNGIQEMECCSLESWDIYFHPD
 ASGRIIHVGNPNQVKVLKSEVENDSSQHQISEDFVIWAKREDRKENLITVTASGRVVKRNVSLLDDDP
 EQETFKIVDYEDLDLLSVVAVTQIDAEGKAHLDFHCNEYGTLLKSIPLVESWDVTYSHEVYFDRDLVLHIE
 QKPNRVFSCYVYQMVCDPGEVEEAVNRS

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:



ACCN: NM_001165980

ORF Size: 1557 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_001165980.1](#), [NP_001159452.1](#)

RefSeq Size: 7739 bp

RefSeq ORF: 1560 bp

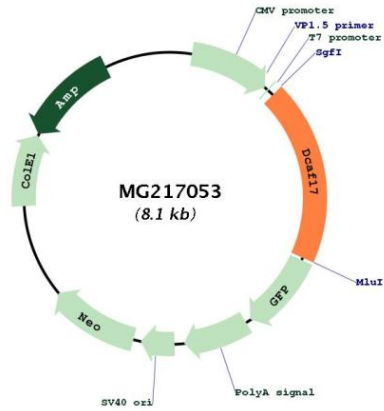
Locus ID: 75763

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]

Product images:



Circular map for MG217053