

## Product datasheet for **RG228367**

### **DCAF17 (NM\_001164821) Human Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	DCAF17 (NM_001164821) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	DCAF17
Synonyms:	C2orf37; C20orf37
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>RG228367 representing NM\_001164821  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGGCCCGACCCGGAAGCCCAACGTGTGCAGCCGGCTGAGTCGCCGGGCGCTGGGCTGCTTCTCGCGCG  
 ACGCAGGCGTGGTGCAGAGGACCAACCTGGGCATCCTGCGGGCGCTGGTGTGCCAGGAAAGTACTAAATT  
 TAAGAATGTCTGGACAACCTATTCCAGGTCACCTATAGCCTATGAGAGAGGAAGAATATATTTTGACAAT  
 TATCGGCGCTGTGTGAGCAGTGTGCATCTGAGCCAAGAAAACCTTATGAAATGCCAAAATGTTCCAAAT  
 CAGAAAAATAGAGGATGCTTTATTATGGGAATGCCCAGTGGGAGATATACTTCCCAATTCATCAGATTA  
 TAAGTCTCACTCATAGCACTGACTGCTCATAATTGGCTACTTCGTATATCAGCAACTACGGGAAAAATC  
 CTTGAGAAAAATATCTTGCACCTATTGCAAATTCAGATACTTGAGCTGGGACTCCTCAAGAAGTCA  
 TTGCAGTTAAGTCAGCTCAGAACAGAGGCTCAGCAGTGGCCCGCAGGCAGGCATTCAACAACATGTTTT  
 GCTGTACCTTGCAGTGTCCGAGTCTACCTTTTTCACTTGTAGGGATTCTAGAGATCAACAAAAAGATT  
 TTTGGGAACGTTACAGATGCTACCTTGTCTCATGGAATACTGATTGTGATGTACAGCTCAGGACTGGTCA  
 GACTCTATAGCTTCCAAACCATCGCTGAACAGTTCATGCAACAGAAAACCTGACTTAGGGTGTGCATGCAG  
 ATGGGGTGGGACTACTGGAACGTAGGAGAGGCTCCTTTTGGCATTCTTGTAAATATTAATAACACAGAC  
 ATGCCACCCTGCTCTTTGAGGTGTATCCCTGGGAAATGCTTTTCAGATTGGAGGCCATCCTTGGCACT  
 ACATCGTCACACCTAATAAGAAGAAACAGAAAGGAGTTTTCCATATTTGTGCCCTAAAAGACAATTCCTT  
 GAATGAAAATGTACTCACTGTTACAGCTTCTGGACGGTGGTAAAAAAAAGTTTTAACCTTCTGGATGAT  
 GACCCAGAACAAGAGACTTTCAAATTTGGACTATGAAGATGAGTTAGATTTGCTTTCTGTGGTAGCTG  
 TTAAGTCAAAATAGATGCTGAAGGAAAAGCTCACCTGGATTCCACTGTAATGAATATGGAACCTTACTTAA  
 AAGCATTCCACTAGTGGAGTCTGGGATGTGACATATAGCCATGAAGTCTACTTTGACAGAGACTTGGTG  
 CTACACATAGAGCAGAAACCAACAGAGTCTTACAGCTGCTATGTTTACCAGATGATATGTGACACTGGGG  
 AAGAAGAAGAAACCATAAACAGAAGCTGT

**ACGCGTACGCGGCCGCTCGAG** - GFP Tag - GTTTAA

**Protein Sequence:**

>RG228367 representing NM\_001164821  
 Red=Cloning site Green=Tags(s)

MGPTRKPNVCSRLSRRALGCFSRDAGVVQRTNLGILRALVCQESTKFKNVWTHSRSPIAYERGRIYFDN  
 YRRCVSSVASEPRKL YEMPKCSKSEKIEDALLWECVGDILPNSSDYKSSLIALTAHNWLLRISATTGKI  
 LEKIYLPYCKFRYL SWDTPQEVIAVKSQNRGSAVARQAGIQQHVL LYLAVFRVLPFSLV GILEINKKI  
 FGNVTDATLSHGILIVMYSSGLVRLYSFQTIAEQFMQQKLDLGCACRWGGTGTGVEAPFGIPCNIKITD  
 MPPLLFEVSSLENAFQIGGHPWHYIVTPNKKKQKGVFHICALKDNSLNENVLTVTASGRVVKKSFNLLDD  
 DPEQETFKIVDYEDEL DLLSVVAVTQIDAEGKAHLDFHCNEYGTLKSIPLVESWDVTYSHEVYFDRDLV  
 LHIEQKPNRVFSCYVYQMICDTGEEETINRSC

**TRTRPLE** - GFP Tag - V

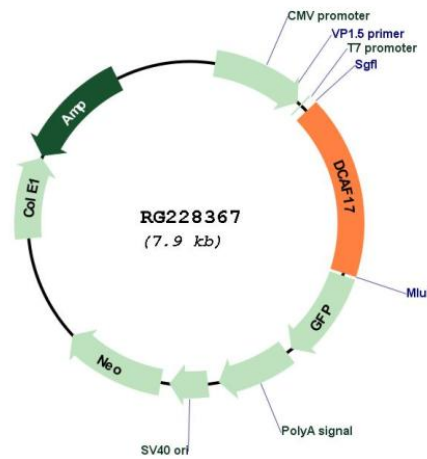
**Restriction Sites:**

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM\_001164821

ORF Size: 1359 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.

<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>	<u>NM_001164821.1, NP_001158293.1</u>
<b>RefSeq Size:</b>	5641 bp
<b>RefSeq ORF:</b>	1362 bp
<b>Locus ID:</b>	80067
<b>Cytogenetics:</b>	2q31.1
<b>Gene Summary:</b>	This gene encodes a nuclear transmembrane protein that associates with cullin 4A/damaged DNA binding protein 1 ubiquitin ligase complex. Mutations in this gene are associated with Woodhouse-Sakati syndrome. Alternate splicing results in multiple transcript variants. [provided by RefSeq, Sep 2009]