

## Product datasheet for **RG209423**

### **DCAF12 (NM\_015397) Human Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	DCAF12 (NM_015397) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	DCAF12
Synonyms:	CT102; KIAA1892; TCC52; WDR40A
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>RG209423 representing NM\_015397  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGGCCCCGAAAGTAGTTAGCAGGAAGCGGAAAGCGCCCGCTCGCCGGGAGCTGGGAGCGACGCTCAGG  
 GCCCGCAGTTTGCTGGGATCACTCGCTTCACAAAAGGAAAAGACTTCTCCTGTGAAGAGATCCTTAGT  
 ATACTACTTGAAGAACCAGGGAAGTCAGGCTACAGAATGAAACCAGCTACTCTCGAGTGTTGCATGGTTAT  
 GCAGCACAGCAACTTCCCAGTCTCCTGAAGGAGAGAGAGTTTACCTTGGGACCCCTAATAAAGTGTGTTG  
 CATCTCAGTGGTTGAATCATAGGCAAGTGGTGTGTGGCACAAAATGCAACACGCTATTTGTCGTAGATGT  
 CCAGACAAGCCAGATACCAAGATCCCCATTCTGAAAGACCAGGAGCCTGGAGGTGTGACCCAGCAGGGC  
 TGTGGTATCCATGCCATCGAGCTGAATCCTTCTAGAACACTGCTAGCCACTGGAGGAGACAACCCCAACA  
 GTCTTGCCATCTATCGACTACCTACGCTGGATCCTGTGTGTGTAGGAGATGATGGACACAAGGACTGGAT  
 CTTTTCCATCGCATGGATCAGCGACACTATGGCAGTGTCTGGCTCACGTGATGGTTCTATGGGACTCTGG  
 GAGGTGACAGATGATGTTTTGACCAAAAGTGATGCGGAGACACAATGTGTACACGGGTCCTGTGTATGCAC  
 ACATCACTCACAAGGCCCTAAAGGACATCCCCAAGAAGACACAACCCCTGACAACCTGCAAGGTTCCGGGC  
 TCTGGCCTTCAACAACAAGAACAAGGAAGTGGGAGCAGTGTCTCTGGATGGCTACTTTTCTCTGGGAG  
 GCTGAAAATACACTATCTAAGCTCCTCTCCACCAAACTGCCATATTGCCGTGAGAATGTGTGTCTGGCTT  
 ATGGTAGTGAATGGTCAGTTTATGCAGTGGGCTCCCAAGCTCATGTCTCCTTCTTGGATCCACGGCAGCC  
 ATCATACAACGTCAAGTCTGTCTGTTCCAGGGAGCGAGGCAGTGGAAATCCGGTCAGTGAGTTTCTACGAG  
 CACATCACTACTGTGGGAACAGGGCAGGGCTCCCTGCTGTTCTATGACATCCGAGCTCAGAGATTTCTGG  
 AAGAGAGGCTCTCAGCTTGTATGGGTCGAAGCCAGACTAGCAGGGGAGAATCTGAAACTAACCCTGG  
 CAAAGGCTGGCTGAATCATGATGAAACCTGGAGGAATTACTTTTTCAGACATTGACTTCTTCCCAATGCT  
 GTTTACACCCACTGCTACGACTCGTCTGGAACGAACTCTTTGTGGCAGGAGTCCCTCCCTTCAGGGC  
 TCCATGGAAACTATGCTGGGCTCTGGAGT

**ACCGGTACGCGGCCGCTCGAG** - GFP Tag - GTTTAA

**Protein Sequence:**

>RG209423 representing NM\_015397  
 Red=Cloning site Green=Tags(s)

MARKVVSRRKAPASPGAGSDAQGPQFGWDHSLHKRRLPPVKRSLVYYLKNREVRQLQNETSYSRVLHGY  
 AAQQLPSLLKEREHLGTLNKFASQWLNHRQVVCGTKCNTLFVVDVQTSQITKIPILKDQEPGGVTQQG  
 CGIHAIELNPSRLLATGGDNPNLSAIYRLPTLDPVVCVGDGDKWIFSIAWISDTMAVSGSRDGSMLW  
 EVTDDVLTKSDARHNVSVPVYAHITHKALKDIPKEDTNPDNCKVRALAFNNKNKELGAVSLDGYFHLWK  
 AENTLSKLLSTKLPYCRENVCLAYGSEWSVYAVGSQAHVSFLDPRQPSYVNVKSVCSRERGSIRSVSFYE  
 HIITVGTGQGSLLFYDIRAQRFLERLSACYGSKPRLAGENLKLTTGKWLNHDETWRYNFSIDIDFPNA  
 VYTHCYDSSGTLKLVAGGPLPSGLHGNYAGLWS

**TRTRPLE** - GFP Tag - V

**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**


**ACCN:** NM\_015397

**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.

**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\\_015397.1](#), [NP\\_056212.1](#)

**RefSeq Size:** 3636 bp

**RefSeq ORF:** 1362 bp

**Locus ID:** 25853

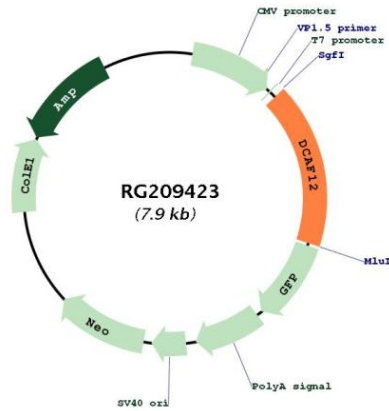
**UniProt ID:** [Q5T6F0](#)

**Cytogenetics:** 9p13.3

Domains: WD40

Gene Summary: This gene encodes a WD repeat-containing protein that interacts with the COP9 signalosome, a macromolecular complex that interacts with cullin-RING E3 ligases and regulates their activity by hydrolyzing cullin-Nedd8 conjugates. [provided by RefSeq, Jul 2009]

Product images:



Circular map for RG209423