

## Product datasheet for **RG220603**

### **DCAF8L1 (NM\_001017930) Human Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	DCAF8L1 (NM_001017930) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	DCAF8L1
Synonyms:	WDR42B
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>RG220603 representing NM\_001017930  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGTCCCACCAAGAGGGCAGCACAGGTGGCTTACCAGACTTAGTGACTGAAAGCCTGTTACGAGCCAG  
 AGGAGCAGTCTGGAGTAGCAGCGGTGACGGCGGCTCCTCAGACATTGAAATGGCAGCCACAGAGCCATC  
 GACCGGAGATGGTGGTGATACCAGGGATGGTGGTTTCCTGAACGATGCCAGCACAGAAAAACAAACACA  
 GACTCAGAAAAGTTCAAGTGAAGACGTCGAACCTGAAAGCATGGGTGAAGGTTTATTTGGTTACCCGTTAG  
 TGGGAGAGGAGACAGAAAGGGAGGAGGAAGAAGAGATGGAGGAGGAAGGGGAGGAGGAAGAACAGCC  
 TCGGATGTGTCCACGATGCGGTGGCACCAACCATGATCAGTGTGTTGTAGACGAGGATCAGGCGTTGGAG  
 GAGTGGATTTCTCAGAGACATCTGCCCTGCCCGATCTCGTGGCAAGTCTTACTGCTTTCGCCAGC  
 GGCAGCTGGGTTCAAGTCCCGCTTTGTATATGAGGCCGTGGGGCAAGAACCTTTGTGCAGCGTTCCG  
 CCTGCAGTATCTTCTGGAAGCCATGCCGTTCTGTCAGTACCATACACTTTAACAGCGTGGCACCCGA  
 CTGGCCAGTAGCGGTGATGACTTAAGGGTGATAGTGTGGGACTGGGTGCCGAGAAAGCCAGTACTGAACT  
 TTGAGAGTGGTCACGATTAATGTCTATCCAGGCTAAGTCTTTCTTAAGTGTGGTGATTCCACTCTGGC  
 CATGTGTGGCCATGATGGACAGGTACGGGTAGCAGAACTAATTAATGCATCATATTGCGAGAATACTAAG  
 CGTGTGGCCAAGCACAGGGGACCTGCCACGAGTTGGCTCTGGAGCCAGACTCTCCTTATAAGTTCTCA  
 CTTACAGTGAAGATGCCGTTGTGTTACCATGACCTCAGGCAAGACCGGCCAGCTTCAAAAGTTGTGGT  
 AACAGAGAAAAATGATAAGAAAGTCGGACTGTATAACAATCTCTATGAATCCTGCCAATATTTACCAATTT  
 GCAGTGGTGGACATGATCAGTTTGAAGATTTATGACCAGAGGAGAATTGATAAGAAAGAAAAACAATG  
 GAGTACTCAAGAAATTCACCTCATCTGTTTATTGTTTATTTCCCAACAAACATCACCTGCGTTGT  
 GTACAGCCACGATGGCACAGAGCTCCTGGCCAGCTACAATGATGAAGATATTTACCTCTTCAACTCCTCT  
 CTCAGTGTGGTCTCAATATGTTAAGAGATATAAGGGGCACAGAAATAATGACACAATCAATGTGTTA  
 ATTTCTATGGCCCCGGAGTGAGTTTGTGCGTAGCGGTAGTGATTGTGGGCACGCTTCTTCTGGGAGAA  
 ATCATCTCCAGATCATCCAGTTCATGGAGGGGACAGAGGAGATATAGTAAACTGTCTTGAACCCAC  
 CCTTACCTACCTGTGTTGGCGACAGTGGCCTAGATCAGCATGTCAGGATCTGGACCCACAGCTAAAA  
 CTGCCACTGAGCTTACTGGGTTAAAAGATGTGATTAAGAAGAACAAGCAGGAGCGAGATGAAGACAACCT  
 GAACTATACGGACTCGTTTGACAACCGCATGCTTCGGTCTTCGTGCGTCACTGTTACAGAGAGCTCAT  
 CAACCCGCTGGAGAGATCATGGAGCTGAGTTCAGATGAAGAAGAGTTGGATGAGTCTCCAGCACCT  
 CAGATACATCCGAGGAGGAGGGCCAAGATCGAGTGCAGTGCATACCATCC

**ACGCGTACGCGGCCGCTCGAG** – GFP Tag – GTTTAA

**Protein Sequence:**

>RG220603 representing NM\_001017930  
 Red=Cloning site Green=Tags(s)

MSHQEGSTGGLPDLVTESLFSSPEEQSGVAAVTAASSDIEMAATEPSTGDGGDTRDGGFLNDASTENQNT  
 DSESSSEDVELESMGELFGYPLVGEETEREEEEEMEEEGEEEEQPRMCPRCGGTNHDQCLLEDQALE  
 EWISSSETSALPRSRWQVLTALRQRQLGSSARFVYEACGARTFVQRFRLQYLLGSHAGSVSTIHFNRGTR  
 LASSGDDLRVIVWDWVRQKPVLFESGHDINVIQAKFFPNCGDSTLAMCGHDGQVRVAELINASYCENTK  
 RVAKHRGPAHELALPEDSPYKFLTSGEDAVVFTIDLRQDRPASKVVVTRENDKVKVLYTISMNPANIYQF  
 AVGGHDQFVRIYDQRRIDKKENNGVLKKFPHHLVYCDFPTNITCVVYSHDGTCELLASYNDEDIYLFNSS  
 LSDGAQYVKRYKGRNNDTIKCVNFYGRSEFVVS GSDCGHVFFWEKSSSQIIQFMEGDRGDIVNCLPH  
 PLYLPVLATSGLDQHVRIWTPAKTATELTGLKDVIKKNKQERDEDNLNYTDSFDNRMLRFFVRHLLQRAH  
 QPGWRDHGAEFDPDEEELDESSSTSDTSEEEGQDRVQCIPS

**TRTRPLE** – GFP Tag – V

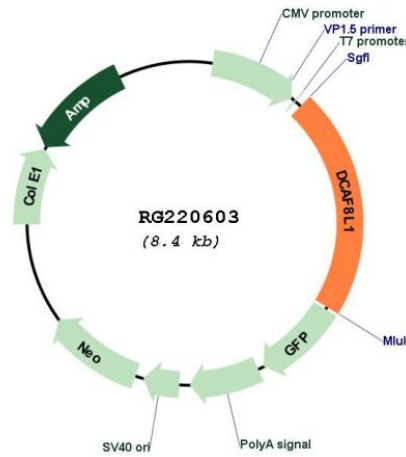
**Restriction Sites:**

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM\_001017930

ORF Size: 1800 bp

<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	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>	<a href="#">NM_001017930.2</a>
<b>RefSeq Size:</b>	3457 bp
<b>RefSeq ORF:</b>	1803 bp
<b>Locus ID:</b>	139425
<b>UniProt ID:</b>	<a href="#">A6NGE4</a>
<b>Cytogenetics:</b>	Xp21.3
<b>Gene Summary:</b>	This gene encodes a member of the WD repeat protein family. WD repeats are minimally conserved regions of approximately 40 amino acids typically bracketed by Gly-His and Trp-Asp (GH-WD), which may facilitate the formation of heterotrimeric or multi-protein complexes. Members of this family are involved in a variety of cellular processes, including cell cycle progression, signal transduction, apoptosis, and gene regulation. This gene appears to represent an intronless retrocopy of a related multi-exon gene located on chromosome 1. However, the CDS of this intronless gene remains intact, it is conserved in other primate species, it is known to be transcribed, and it is therefore thought to encode a functional protein. [provided by RefSeq, May 2010]