

## Product datasheet for **RG228951**

### WDR23 (DCAF11) (NM\_001163484) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	WDR23 (DCAF11) (NM_001163484) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	DCAF11
Synonyms:	GL014; PRO2389; WDR23
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>RG228951 representing NM\_001163484  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGGATCGCGGAACAGCAGCAGTGCAGGATCCGGTCCGGAGACCCCTCCGAGGGCTTGC<sup>CCCGAAGAG</sup>  
 GGGCTGGCCTGCGTCGGAGTGAAGAGGAAGAAGAGGATGAAGATGTGGATCTGGCCAGGACTGGC  
 CTATCTCTCCGAGAGGCCAAGTGAGGTTGGTGCAGGGAGGAGTGCAGCAAATTTACAATTCATTGAG  
 GCCCTCTTGGACTCAGAGGAAGAGAATGACAGAGCTTGGGATGGTCTGTTGGGGATCGATAACA<sup>CCAC</sup>  
 CTGTGGATGCTACCCCTGACACCCGGGAGCTGGAATTCATGAGATCAAGACACAAGTGGAACTGGCCAC  
 AGGGCAGCTGGGGCTTAGGCGGGCCGCCAGAAGCACAGCTTTCCTCGAATGTTGCACCAGAGAGA<sup>ACGG</sup>  
 GGCCTCTGCCATCGGGAAAGCTTCTCCCTGGAGAACAGTCTCGAGTGATATCTCACTTCTTGC<sup>CAATG</sup>  
 ATCTGGGCTTCACTGATAGCTACTCTCAGAAGGCTTTCGTGGCATCTACAGCAAAGATGGTCAA<sup>AATATT</sup>  
 CATGTCTGCTTGGCAAGACCAGACAATCCGACTCTATGACTGCCGATATGGCCGTTTCCATAAA<sup>TTCAAG</sup>  
 AGCATCAAGGCCCGCATGTAGGCTGGAGCGTCTTGGATGTGGCCTTACCCCTGATGGGA<sup>ACCCTTCC</sup>  
 TCTACTTAGCTGGTCTGATTACATTCATATCTGCAATATCTATGGTGAGGGAGATACACAC<sup>ACTGCCCT</sup>  
 GGATCTCAGGCCAGATGAGCGTCGCTTTGCTGTCTTCTCCATTGCTGTCTCCTCAGATGGACGAGA<sup>AGTA</sup>  
 CTAGGAGGGGCCAATGATGGCTGCCTGTATGTCTTTGACCGAGAACAAGACCGGCGCACCC<sup>CTTCCAGATTG</sup>  
 AGTCCCATGAGGATGATGTGAATGCAGTGGCCTTTGCTGATATAAGCTCCCAAATCCTGT<sup>TCTCTGGGGG</sup>  
 AGATGATGCCATCTGCAAAGTGTGGGATCGACGCCACCATGCGGGAGGATGACCCCAAGC<sup>TGTGGGTGCA</sup>  
 CTGGCTGGACACCAGGATGGCATCACCTCATTGACAGCAAGGGTATGCCCGGTATCTGATCT<sup>CCAAC</sup>  
 CTAAGACACAGCCATCAAACCTGGGATATCCGACGCTTTTCCAGCCGGGAAGGCATGGA<sup>AGCTTCACG</sup>  
 CCAGGCTGCCACACAGCAAAACTGGGACTATCGGTGGCAGCAAGTGCCCAAAAAAGCCTGG<sup>CGGAAGCTG</sup>  
 AAGCTCCAGGGGACAGCTCCTTGATGACCTACCGGGGCCACGGAGTGTGCACACCCTCAT<sup>CCGCTGCC</sup>  
 GGTTCCTCCCCATTATAGCACTGGCCAGCAGTTCATCTACAGTGGCTGCTCCACTGGCAA<sup>AGTGGTTGT</sup>  
 GTACGACCTTCTAAGTGGCCACATTGTGAAGAAGCTGACCAACCACAAGGCCTGTGTG<sup>CGTGACGTCAGT</sup>  
 TGGCACCCCTTTGAAGAGAAGATTGTGACGAGTTCGTGGGACGGGAACCTGCGTCTGT<sup>GGCAGTACCGCC</sup>  
 AGGCTGAGTACTCCAGGATGACATGCCAGAATCTGAGGAATGTGCCAGCGCCCTGCC<sup>CCAGTGCCCA</sup>  
 ATCCTTACACCCTTTCTCACCCAG

**ACGCGTACGCGGCCGCTCGAG** - GFP Tag - GTTTAA

**Protein Sequence:**

>RG228951 representing NM\_001163484  
 Red=Cloning site Green=Tags(s)

MGRNSSSAGSGSDPSEGLPRRGAGLRRESEEEEEDEDVDLAQVLA<sup>YLLRRGQVRLVQGGGAANLQFIQ</sup>  
 ALLDSEEENDRAWGRLGDRYNPPVDATPDTRELEFNEIKTQVELATGQLGLRRAAQKHSFPRMLHQRER  
 GLCHRGSFSLGEQSRVISHFLPNLGF<sup>TDSYSQKAFCGIYSKDGQIFMSACQDQTI</sup>RLYDCRYGRFHKFK  
 SIKARDVGWSVLDVAFTPDGNHFLYSSWS<sup>DYIHCNIYGEDTHTALDLRPDERRFAVFSIAVSSDGREV</sup>  
 LGGANDGCLYVFDREQNRRLQIESHEDDVNA<sup>VAFA</sup>DISSQILFSGGDDAICKVWDRRTMREDDPKPVGA  
 LAGHQDGITFIDSKGDARYLISNSKDQ<sup>TIKLWDIRRFSSREGMEASRQAATQQNWDYRWQVQPKAWRKL</sup>  
 KLPDSSLMTYR<sup>HGVLHTLIRCRFSPIHSTGQQFIYSGCSTGKVVVYDLLSGHIVKKL</sup>TNHKACVRDVS  
 WHPFEEKIVSSSWDGNLRLWYRQAEYFQDDMP<sup>ESEECASAPAPVQSSSTPFSSPQ</sup>

**TRTRPLE** - GFP Tag - V

**Restriction Sites:**

Sgfl-MluI



<b>ACCN:</b>	NM_001163484
<b>ORF Size:</b>	1638 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_001163484.1</a> , <a href="#">NP_001156956.1</a>
<b>RefSeq Size:</b>	3861 bp
<b>RefSeq ORF:</b>	1641 bp
<b>Locus ID:</b>	80344
<b>UniProt ID:</b>	<a href="#">Q8TEB1</a>
<b>Cytogenetics:</b>	14q12
<b>Gene Summary:</b>	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. Multiple alternatively spliced transcript variants have been found for this gene. [provided by RefSeq, Jul 2009]