

Product datasheet for **RG223451**

WDR86 (NM_198285) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	WDR86 (NM_198285) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	WDR86
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG223451 representing NM_198285 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGGGGGCGCGGGTCTGGCCCTGAGGGTCTGCGCCGACCACCGGGGGGCATCAACTGGCTGAGCCTGA
GCCCGACGGGCAGCGCCTGCTGACGGGCAGCGAGGACGGCACGGCCCGGCTCTGGAGCACCGCGGACGG
CCAGTGTCTGCGCGCTCCTGCAAGGACATGAAAGCTATGTACCTTCTGCCAGCTGGAGGATGAGGCTGCC
TTCACATGCAGCGCCGACTGCACCATCAGGAGGTGGGACGTGCTGACCGGCAGTGTCTGCAGGTGTACC
GAGGACACACGTCCATCGTGAACAGGATCCTGGTTGCCAACAACAGCTTTCAGCAGCTCCTATGACCG
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GACGCTGCGGGGCCACACGGGTGCAGTGTGTGCTAGTGTAGACACGCCCAGCCACACGGCCTTACCA
GGCAGCACCGACGCCACCATCCGTGCCTGGGACATCCTGAGTGGGAGCAGCTGCGGGTGTTCGGGAGC
ACCGGGCTCCGTATCTGTCTGGAGCTGGTGAACCGACTCGTGTACTCTGGCAGCGGGACAGGACCGT
CAAGTGTGGCTGGCAGACACAGGGAGTGTGTGCGCACGTTACGGCCACAGACGCAACGTGAGCGCC
CTCAAGTACCACGCGGGACCTTGTTACGGGCAGCGGGACGCTTGGCCCGGGCCTTCGACGCGCAGT
CTGGAGAGCTGCGGAGGGTGTTCGGGGCCACACATTCATCATCAACTGCATCCAGGTGCACGGCCAGGT
GCTCTACACCGCCTCGCACGACGGCGCCCTGCGCCTCTGGGACGTGCGCGGGCTCCGAGGTGCCCGCGG
CCCCCTCCGCCATGCGCAGCCTCTCGCGGCTCTTACGCAACAAGGTGGGCTGCGCCGCCGCGCCCTGCG
AGCCGGCC

ACGCGTACGCGGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG223451 representing NM_198285
Red=Cloning site Green=Tags(s)

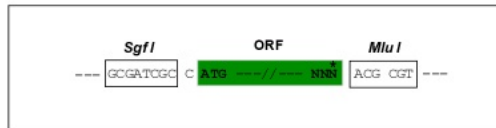
MGGGGSALRVCADHRGGINWLSPDGGQRLLTGSEDTARLWSTADGQCCALLQGHEsyVTFcQLEDEAA
 FTCSADCTIRRWDVLTGQCLQVYRGHTSIvNRILVANNQLFSSSYDRTARVWSVDKQMSREFRGHRNCV
 LTLAYSAPWDLPTPCAEEAAAAGLLVTGSTDGTAKVWQVASGCCHQTLRGHTGAVLCLVLDTPGHFTAFT
 GSTDATIRAWDILSGEQLRVFREHRGSVICLELVNRLVYSGSADRTVKCWLADTGEcvRTFTAHRNVSA
 LKYHAGTLFTGSGDACARAFDAQSGELRRVFRGHTFIINCIQVHGQVLYTASHDGALRLWDVVRGLRGAPR
 PPPPMRSLSRFLSNKVGCAAAPLQPA

TRTRPLE - GFP Tag - V

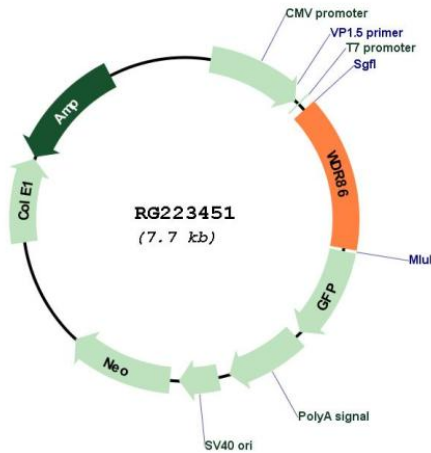
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



Plasmid Map:



ACCN: NM_198285

ORF Size:	1128 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:	<ol style="list-style-type: none">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_198285.3
RefSeq Size:	2056 bp
RefSeq ORF:	1131 bp
Locus ID:	349136
UniProt ID:	Q86TI4
Cytogenetics:	7q36.1