

Product datasheet for **RG201770**

WDR46 (NM_005452) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	WDR46
Synonyms:	BING4; C6orf11; FP221; UTP7
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



ORF Nucleotide Sequence: >RG201770 representing NM_005452
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGGAGACAGCCCCAAGCCGGGCAAGGATGTCCCGCCCAAGAAAGACAACTTCAGACCAAGAGAAAGA
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 TTTGTCTGGACCCACGAGCCCTGGCCGAGGTGGATGTCATCTCCCTGGAGCAGGAAAGAAGGAGCAGAT
 AGAGAGGCTGGGCTATGACCCGAGGCTAAGGCTCCCTCCAGCCAAGCCAAAGCAGAAGGGCCGACG
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 ATTTGTGCGC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

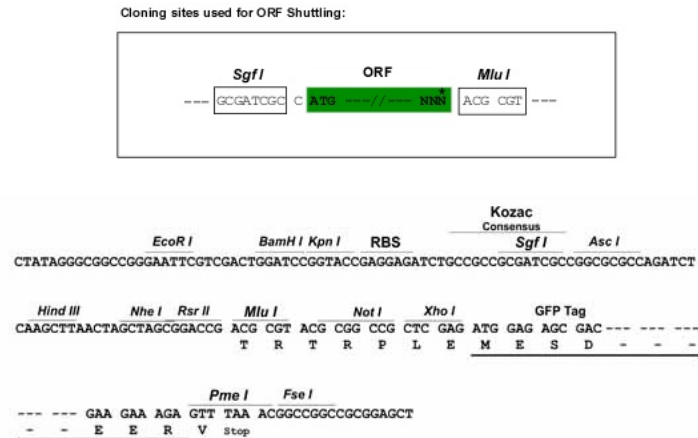
Protein Sequence: >RG201770 representing NM_005452
 Red=Cloning site Green=Tags(s)

METAPKPGKDVPPKKDKLQTKRKKPRRYWEEETVPTTAGASPGPPRNKKNRELRPQRPKNAYILKKSRI
 KKPQVPKKPREWKNPESQRLSGAQDPFPGPAPVPVEVVQKFCRIDKSRKLPHSKAKTRSRLEVAEAE
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 AFGGRRGHVAALDWVTKLMCEINVMEAVRDIRFLHSEALLAVAQNRWLHIYDNQGIELHCIRRCRVTR
 LEFLPFHLLATASETGFLTLYLDSVVGKIVAALNARAGRLDVMSQNPYNAVIHLGHSNGTVSLWSPAMKE
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 DVVNIWAGQGKASPPSLEQPYLTHRLSGPVHGLQFCPFEDVLGVGHTGGITSMPLVPGAGEPNFDGLESNP
 YRSRQRQWEVKALLEKVPaelICLDPRALAEVDVISLEQKKEQIERLGYPDAQAPFQPKPKQKGRS
 STASLVKRRKVMDEEHRDKVRQSLQQQHHKEAKAKPTGARPSALDRFVR

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_005452

ORF Size: 1830 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:

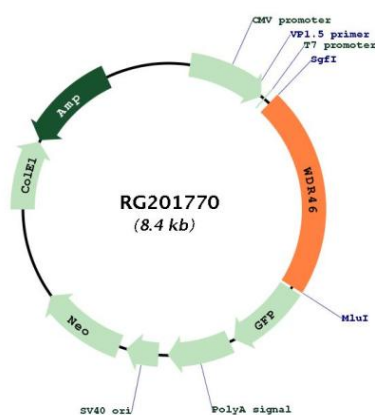
1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_005452.4](#), [NP_005443.2](#)

RefSeq Size:	2065 bp
RefSeq ORF:	1833 bp
Locus ID:	9277
UniProt ID:	Q15213
Cytogenetics:	6p21.32
Domains:	WD40
Protein Families:	Druggable Genome
Gene Summary:	Scaffold component of the nucleolar structure. Required for localization of DDX21 and NCL to the granular compartment of the nucleolus.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG201770