

Product datasheet for **RG208909**

WDR53 (NM_182627) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	WDR53 (NM_182627) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	WDR53
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG208909 representing NM_182627 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCAGTCAAGTGGACGGGTGGGCATTCTTCTCCTGTCCTCTGCCTGAATGCAAGTAAAGAAGGGCTGC
TGGCTTCTGGAGCAGAGGGCGGAGATCTCACGGCTTGGGTGAAGATGGAACCCATTAGGACACACGCG
GTTCCAAGGGGCTGATGATGTTACCAGTGTCTTATTTCTCCCTCTGCCACCAAGCTCTATGCCTCA
CATGGAGAAACCATTAGTGTACTGGATGTCAGGTCCCTCAAAGATTCCTTGGACCATTTTCATGTGAATG
AAGAAGAAATCAATTGTCTTTCATTGAATCAAACGGAAAACCTGCTGGCTTCTGCTGACGACTCTGGGGC
AATCAAAATCCTAGACTTGGAAAACAAGAAAGTTATCAGATCCTTGAAGAGACATTCCAATATCTGCTCC
TCAGTGGCTTTTCGGCCTCAGAGGCCTCAGAGCCTGGTGTGTCATGTGGACTGGATATGCAGGTGATGCTGT
GGAGTCTTCAAAAAGCCCGACCACTCTGGATTACAAATTTACAGGAGGATGAAACAGAAGAAATGGAAGG
CCCACAGTCACCTGGTCAGCTCTTAAACCCTGCCCTAGCCATTCTATCTCTGTGGCTTCGTGTGGTAAT
ATTTTTAGTTGTGGTGCAGAAGATGGTAAGGTTGCAATCTTTCGGGTGATGGGAGTTAAGTGTGAACAGG
AACTGGGATTTAAGGGCCACACTCAGGGGTATCCAGGTCTGCTTTCTCCAGAATCCTATTTGCTGCT
TACTGGAGGGAATGATGGGAAGATCACGTTGTGGATGCAAACAGTGAAGTTGAGAAAAACAGAAGAGT
CCCACAAAACGTACCCACAGGAAGAAACCTAAAAGAGGAACTTGACCAAGCAGGGTGGAAATACTAACG
CTTCAGTAACAGATGAGGAAGAACATGGCAACATTTTACCAAAGCTAAATATTGAACATGGAGAAAAAGT
GAACTGGCTCTTGGGTACAAAAATAAAGGGACACCAAAATATATTAGTAGCTGATCAAACACTAGTTGTATA
TCTGTATACCCCTTAAATGAATTT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG208909 representing NM_182627
Red=Cloning site Green=Tags(s)

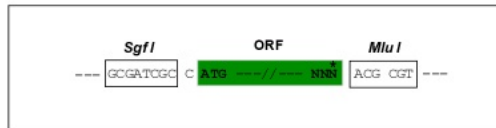
MAVKWTGGHSSPVLCLNASKEGLLASGAEGGDLTAWGEDGTPLGHTRFQGADDVTSVLFSPSCPTKLYAS
HGETISVLDVRSCLKDSLDFHVNEEEEINCLSLNQTENLLASADDSGAIKILDLENKKVIRSLKRHSNICS
SVAFRPQRPSLVSCGLDMQVMLWSLQKARPLWITNLQEDETEEMEGPQSPGQLLNPALAHSISVASCNG
IFSCGAEDGKVRIFRVMGVKCEQELGFKGHTSGVSQVCFLPESYLLLTGGNDGKITLWDANSEVEKKQKS
PTKRTHRKKPKRGTCTKQGGNTNASVTDEEEHGNILPKLNIHGEKVNWLLGTIKGHQNILVADQTSCI
SVYPLNEF

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



ACCN: NM_182627

ORF Size: 1074 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_182627.3](#)

RefSeq Size: 1584 bp

RefSeq ORF: 1077 bp

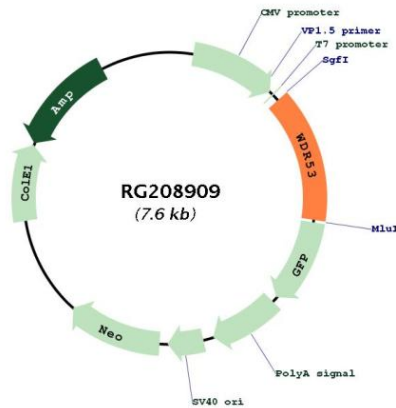
Locus ID: 348793

UniProt ID: [Q7Z5U6](#)

Cytogenetics: 3q29

Gene Summary: This gene encodes a protein containing WD domains. The function of this gene is unknown. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RG208909