

Product datasheet for **RG202311**

WDR89 (NM_080666) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	WDR89
Synonyms:	C14orf150; MSTP050
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >RG202311 representing NM_080666
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**

ATGGAAAAGATTGAGGAACAATTTGCTAATCTGCACATTGTTAAATGTTCTTAGGAACCAAAGAGCCCCA
CTTACCTTCTTGGTATAGACACATCAAAGACTGTCCAAGCAGGAAAGGAAACTTGGTTGCTGTTTTATG
TTCTAATGGATCAATCAGAATATATGATAAAGAAAGGTTAAATGTACTACGAGAATTTAGTGGATATCCT
GGACTTCTTAATGGAGTCAGATTTGCAAATTCCTGTGACAGTGTATTCAGCATGTACTGATGGCACTG
TGAAATGCTGGGATGCTCGAGTAGCCAGAGAAAAACCTGTTCAAGGTTACCCCTTCCAATAT
TTTTATCAGTTTTGATTAATTGTAATGATCATATTATTTGTGCTGGTACAGAAAAAGTTGATGATGAT
GCATTGTTGGTGTGGGATGCAAGGATGAATTCAGAATTTATCTACAATAAGACTCACTTGGTG
CATATTCAGAGACATAGTGATGATGCTCAAGTACGTTTCCATCCAGCAATCCCAACATGGTAGT
CTCAGGTTCATCTGATGGCCTGGTAAATGTATTGATTAATATTGATAATGAGGAGGATGCATGGTT
ACAACCTGTAACCTCAATTCATCAGTAAGCTGTATTGGTTGGTCTGGGAAAGGTTATAAACAGATTTACT
GCATGACACATGATGAAGGATTTATTGGTGGGATCTTAATCATCTGGACACTGATGAACCGTTACACG
TTTGAACATCCAGGATGTCAGAGAAGTAGTTAACATGAAAGAAGATGCTTTGGACTATTTGATTGGTGGC
CTATATCATGAAAAGACAGACACATTGCATGTTATTGGAGGAACAAACAAAGGAAGGATTCATTTGATGA
ACTGCAGCATGTCAAGGACTGACCCATGTGACTAGCCTTCAGGGAGGGCATGCTGCTACAGTCCGTTCTTT
CTGTTGGAATGTGCAAGATGATTCTTTGTTGACTGGAGGAGAAGATGCACAGTTGTTACTTTGAAACCT
GGAGCTATAGAGAAGACCTTTACAAAGAAAGAGAGATGAAAATAGCATCCTCTGTGCCAACGAGTAC
GAGTTCATAGTAATGATTCTTATAAAAGAAGAAAAAGCAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



Protein Sequence: >RG202311 representing NM_080666
Red=Cloning site Green=Tags(s)

MEKIEEQFANLHIVKCSLGTKEPTYLLGIDTSKTVQAGKENLVAVLCSNGSIRIYDKERLNVLREFSGYP
GLLNGVRFANS CDSVYSACTDGTVCWDARVAREKPVQLFKGYPSNIFISFDINCNDHIICAGTEKVDDD
ALLVFW DARMNSQNLSTTKDSL GAYSETHSDDVTQVRFHPSNPNMVVSGSSDGLVNVFDINIDNEEDALV
TTCNSISSVSCIGWSGKGYKQIYCMTHDEGFYWWDLNHLDTDEPVTRLNIQDVREVVMKEDALDYLIGG
LYHEKTDTLHVIGGTNKGR IHLMNCSMSGLTHVTSLQGGHAATVRSFCWNVQDDSLLTGGEDAQLLLWKP
GAIEKTFTKKESMKIASSVHQVRVRHSNDSYKRKKQ

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_080666

ORF Size: 1161 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_080666.4](#)

RefSeq Size: 3125 bp

RefSeq ORF: 1164 bp

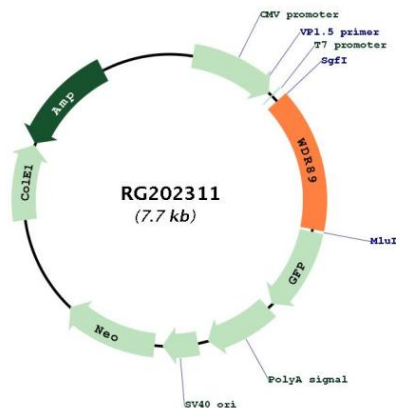
Locus ID: 112840

UniProt ID: [Q96FK6](#)

Cytogenetics: 14q23.2

Domains: WD40

Product images:



Circular map for RG202311