

Product datasheet for **MG216085**

Wdr89 (NM_028203) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	Wdr89
Synonyms:	2600001A1IRik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >MG216085 representing NM_028203
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGAGAAGATTGAGGACCAGTTTGCTAGCCTGCATATTGTTAGGAGGTCTCGGAACCAAAAGAACCCA
CTTACCTGCTTGGCATAGACACGTCAAAGACTGTACAAGCAGACAAAGGAGGCTTGGTGGCTGTTCTGTG
CTCAAATGGGTCGATAAGAATATATGATAAGGAGACACTACATCTGCTACGAGAATTTGGTGGCTCTCCC
GGGCTTCTTAGTGGAGTCAGCTTTGCAAAATCCTGTGACAGTGTCTACTCTGCAAGCACAGATGGCACCC
TGAAGTGTTGGGACGCTCGGGGAGCTAGCGAAAAGCCTGTGCAATTGTTCAAGGGTTACCCCTTCTGTAG
TTTCATCAGCTTTGATGTCAACTGCAAAGATCATGTCAATTTGTGCTGGTGCAGAGAAAAGTTGACGAGGAT
GCATTGTTGGTATTTGGGATGCAAGGTTACATCTCAGGATCTGTCGACGAGAGACCCACTTGGTGCCT
ACTCAGAGACGCACAGTGATGATATCACTCAAGTGCCTTCCATCCCAGCAATCCCACTTGGTTGTCTC
AGGGTCCACTGATGGTCTGGTCAATGTGTTTATCTCAGTGCCTGATAAGGAAGAGGACGCACTGGTTGCC
ACCTGTAACCTCCGTTTCATCAGTGAGCTGTATCGGTTGGTGTGGAAAAGATTATAAGCAAATCTACTGCA
TGACACACGATGAAGGGTTTTGTTGGTGGGATCTCAATCATCTGGATACAGATGAACCGATCACGTGTTT
GAACATCCAGGATGTAAGAGAAATAACCGATGTGAAAGATGGGCACTTGGACTATCTGATTGGTGGCCTG
TATCATGAGAAGATGGACAGACTGTTTGTATTGGAGGAACCAACCCGAAAAGATTACCTACTGAGCT
GCACCTCGGCAGGACTGACCCATGTGACCAGCCTTCATGGGGCCATGCAGCCACCGTCCGTTCTTTCTG
TTGGAACGTGTCTGAGGATTCTCTGCTGACCGAGGTGAAGATGCACAGCTATTGCTGTGAAAACCTGGA
GCTATGGAGAAGACGTTCAAAGAAAGACAGCTTAAAATGCATCCTCCGTGCAGCAGCGAGTTTCGAG
TCCACAGCAGCGATTCTTACAAGAAAAGGAAGCAGCAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



Protein Sequence: >MG216085 representing NM_028203
 Red=Cloning site Green=Tags(s)

MEKIEDQFASLHIVRRSSEPKEPTYLLGIDTSKTVQADKGGVLAVLCSNGSIRIYDKETLHLLREFGGSP
 GLLSGVSFANSCDSVYSASTDGTVKCWDARGASEKPVQLFKGYPCSFSISFDVNCKDHFVICAAGAEKVD
 ALLVFWDFRFTSQDLSTRDPLGAYSETHSDDITQVRFHPSNPNLVVSSTGDLVNVFDL SAKKEEDALVA
 TCNSVSSVSCIGWCGKDYKQIYCMTHDEGFCWWDLNHLDTDEPITCLNIQDVREITDVKDGHLDYLI
 YHEKMDRLFVIGGTNTGKIHLLSCT SAGLTHVTSLHGGHAATVRSFCWNVSEDSLLTGGEDAQLLLW
 KPGAMEKTFTKKDSLKIASSVQQRVVRVHSSDSYKKRQ

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_028203

ORF Size: 1158 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_028203.1](#), [NP_082479.1](#)

RefSeq Size: 2981 bp

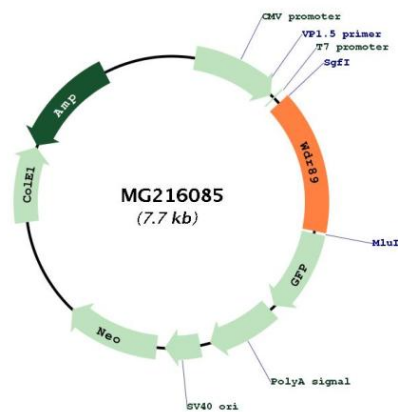
RefSeq ORF: 1161 bp

Locus ID: 72338

UniProt ID: [Q9D0R9](#)

Cytogenetics: 12 C3

Product images:



Circular map for MG216085