

Product datasheet for **MR211095**

Wdr36 (NM_001110015) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Wdr36 (NM_001110015) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Wdr36
Synonyms:	5730444A13Rik; Ta-wdrp
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR211095 representing NM_001110015
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCGGAGATGGAGAGCGCTGTGGAAGGCCGCACGGCCAGCGTGTCTGTCGCGGGTCCGGCCCTTGG
 GGCTGTTCCAGCAACGAGGTTCCACACGTGGTGCCTACAGCGCGCTCAAGCGCCGTTCTACGTGACGAC
 TTGCGTGGGCAAGAGCTTCCACACATATGACGTTCAAGAACTTAGTCTGGTTGCAGTAAGTAACTCTGTT
 CCACAGGATATCTGTTGCATGGCAGCCGATGGGAGGCTAGTCTTCGCTGCATATGGGAACGTTTTCTCTG
 CATTGGCCGGAATAAGAGATAGTACATACTTTAAGGGCCATAAGGCAGAAATACATCTTTGCAACC
 CTTTGGGGATCACGTTATCTCAGTGGATACTGACAGCGTCTTATTATTGGCACATTTATTCAGAAGAA
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 TGAATAAAGTCTACTGGGCAGTGAGCAGGAAGCCTACAGTTATGGAATATAAAGTCCAATAAGCTTCT
 ATATACATTTCCAGGGTGGAAAGTTGGAGTGACAGCTCTCAACAGGCACCAGCTGTGGATGTTGTTGCC
 ATTTGGTCTTGTGCTGGTCAAGTTGTCATTACACAACATTAAGTATGATGAAACATTAATGAAGTCCATC
 AGGACTGGGGACCCATTACTTCCATTTCAATTCGCACAGATGGTCAATTAATGGCAGCTGGAAGCCC
 GTGTGGCCATATTGGACTCTGGGATCTGGAAGACAAAAAATTAATTAATCAAATGAGAAATGCACACTCT
 ACAGCAATATCTGGGCTGACATTTCTCCATAGAGAGCCGTTGCTTGTACAAATGGCGCTGATAATGCTC
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 GTGGATCACCTTGGAAATTTATCTATGGTCAATATTTCCCTCTATTCAAGTTGCTCCCTGCGACCACTTC
 CTCCAGATTATGTCCCTCCATAGTATGCTTCTGGTACTTGTCAAACCAAGGTATGGAAGACTTGGGA
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 AGGAGCTGGTGAAGTTGTCATCACAGGTAGAAAAAGATTGGACTCACTTACAGTCCCTCTCAATCAAAG
 CATGTGTGCTTAAATTACATCAAAGTCTTTCTTG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR211095 representing NM_001110015
 Red=Cloning site Green=Tags(s)

MAEMESAVEGRTASVLFAGFRALGLFSNEVPHVVRYSALKRRFYVTTCVGKSFHTYDVQKLSLVAVSNSV
 PQDICMAADGRLVFAAYGNVFSAFARNKEIVHTFKGHKAEIHLLQPFGDHVISVDTDSVLIWHIYSEE
 EYLQLTFDKSVFKISTILHPSTYLNKVLGSEQSLQLWNIKSNKLLYTFPGWKVGTALQQAPAVDVVA
 IGLVSGQVVIHNIKYDETLMKFHQDWGPITSISFRTDGHPIAAGSPCGHIGLWDLEDKLLINQMRNAHS
 TAISGLTFLHREPLLVTNGADNALRIWIFDGPAGEGRLLRFRMGHSASLTKIRYYGQNGQQILSASQDGT
 LQSFSTVHEKFNKSLGHGLVNKKIVKRKGLQNTMSVRLPPITQFAAEEARQSDWDGIIACHQGKRCSTW
 NYQRSTIGAYFLKPRGVKTNSNLTATAVDITSCGNFAIIGLSSGAVDVYMNQSGIHRGNFGDDKAHTGSV
 RGVAVDGLNQLVVTAGSERLLKFWNFKSKVLIHSLGLDSSPNMMLLHRDSGILGLAMDDFSIAVLDIETR
 KIVREFSGHHGQINDMTFSPDGRWLISAAMDCSVRTWDLPSGCLIDCFLLD SAPLNVTMSPTGDFLATSH
 VDHLGIYLSNISLVSVSLRPLPPDYVPSIVMLPGTCQQTQGMEDLEEKTEPSDEMI EYESPEQLSEQLV
 TLLSLLPESRWKLLNLDVIKKKNPKPEPKVPQSAPFFIPTVPLVPRFVPEPSSDPQQSKVVNLGILA
 QKSNFYLKLEEGLLNNQYEAALNLLKELGPSGIETELRNLSPDDGGSVEVMRSFLSMIGMMLDRKDFEL
 AQAYLALFLKLHLRTPSEPALLEELVKLSSQVEKDWHLQSLFNQSMCVLNVIKSAFL

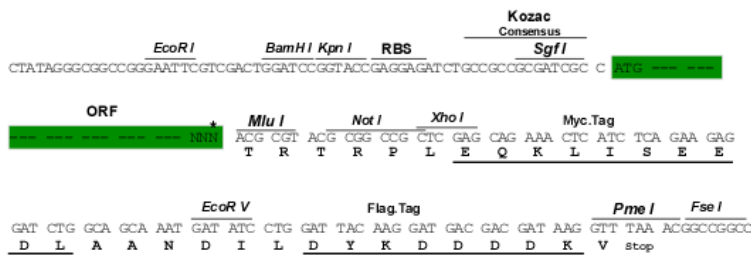
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9098_d04.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:

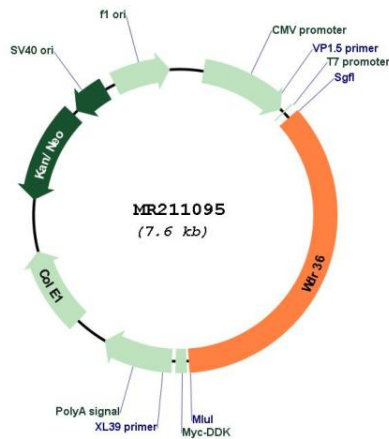


* The last codon before the Stop codon of the ORF

ACCN: NM_001110015

ORF Size:	2697 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:	<u>NM_001110015.1, NP_001103485.1</u>
RefSeq Size:	3281 bp
RefSeq ORF:	2700 bp
Locus ID:	225348
Cytogenetics:	18 B1
MW:	99.7 kDa

Product images:



Circular map for MR211095