

Product datasheet for **MR227328**

Wdr36 (NM_144863) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Wdr36 (NM_144863) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Wdr36
Synonyms:	5730444A13Rik; Ta-wdrp
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>MR227328 representing NM_144863
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCGGAGATGGAGAGCGCTGTGGAAGGCCGCACGGCCAGCGTCTGTTTCGCGGGTCCGGCCCTTGG
 GGCTGTTACGCAACGAGGTTCCACACGTGGTTCGCGTACAGCGCGCTCAAGCGCCGCTTCTACGTGACGAC
 TTGCGTGGGCAAGAGCTTCCACACATATGACGTTCAAGAACTTAGTCTGTTGCAGTAAGTAACTCTGTT
 CCACAGGATATCTGTTGCATGGCAGCCGATGGGAGGCTAGTCTTCGCTGCATATGGGAACGTTTTCTCTG
 CTTTTGCCGGAATAAGAGATAGTACATACTTTAAGGGCCATAAGGCAGAAATACATCTTTTGAACCC
 CTTTGGGGATCACGTTATCTCAGTGGATACTGACAGCGTCTTATTATTTGGCACATTTATTGAGAAGAA
 GAATACCTTCAGCTGACTTTTGACAAGTCAGTTTTTAAAATCTCTACAATTTTGCATCCAAGCACCTATT
 TGAATAAAGTCTACTGGGCAGTGAGCAGGAAGCCTACAGTTATGGAATATAAAGTCCAATAAGCTTCT
 ATATACATTTCCAGGGTGGAAAGTTGGAGTGACAGCTCTCAACAGGCACCAGCTGTGGATGTTGTTGCC
 ATTGGTCTTGTGCTGGTCAAGTTGTCATTACAAACATTAAGTATGATGAAACATTAATGAAGTCCATC
 AGGACTGGGGACCCATTACTTCCATTTCAATTCGCACAGATGGTTCATCCAATAATGGCAGCTGGAAGCCC
 GTGTGGCCATATTGGACTCTGGGATCTGGAAGCAAAAAATTAATTAATCAAATGAGAAATGCACACTCT
 ACAGCAATATCTGGGCTGACATTTCTCCATAGAGAGCCGTTGCTTGTACAAATGGCGCTGATAATGCTC
 TTAGGATATGGATCTTTGACGGCCCCGCGGGTGAAGGACGGTGTGGAGATTGAGAAATGGGGCATAGTGC
 TTCTCTTACCAAGATTAGATATTATGGACAAAAATGACAGCAGATTTTAAAGTCAAGTCAAGATGGGACT
 CTACAGTCATTTTCTACAGTTCATGAAAAATCAACAAGAGCTTGGTTCATGGATTAGTAAACAAAAAGA
 TAGTTAAACGGAAAGGACTTCAGAACACCATGTCAGTAAGGCTCCACCTATCACACAGTTTGTCTGTA
 GGAAGCTCGTCAAAGTGACTGGGATGATCATTGCTTGCATCAAGGGAAGCGGCTTGTCTCAACCTGG
 AATTACCAAAGGTCTACAATAGGTGCTTATTTTCTCAAGCCCAGAGGTGTAAGACAAATAGCAACCTCA
 CTGCAACAGCAGTAGATATAACTTCTGTGAAACTTTGCAATAATTGGCCTCTCTTCAGGAGCTGTAGA
 TGTGTATAACATGCAGTCTGGTATACATCGAGGAAATTTGGAGATGATAAAGCTCACACCGGCTCTGTT
 AGAGGTGTTGCCGTGGATGGATTAACCAGCTGGTGGTTACAGCTGGAAGTGAACGGTACTCAAATCT
 GGAACCTTAAAAGCAAAGTTTGTATCCACTCTCTGGCCTTGATTCGCTCCAAATATGATGCTGCTACA
 CAGGGACAGCGGCATCTGGCCTTGCTATGGATGACTTCTCCATTGCTGCTCCTCGACATAGAGACTAGG
 AAGATCGTCAGAGAGTTTCTGGACACCAGGCCAAATAAATGACATGGTAAAACAAACAGCTTTTCAGA
 TCAGCTCACTCATCTCCTGTTTAGGAGAAAGATGTTTAAATAAT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR227328 representing NM_144863
 Red=Cloning site Green=Tags(s)

MAEMESAVEGRTASVLFAGFRALGLFSNEVPHVVRYSALKRRFYVTTTCVGSFHTYDVQKLSLVAVSNSV
 PQDICMAADGRVFAAYGNVFSAFARNKEIVHTFKGHKAEIHLQLQPFGDHVISVDTDSVLIWHIYSEE
 EYLQLTFDKSVFKISTILHPSTYLNKVLGSEQGSLLWNISNKLTYTFPGWKVGVVTAALQAPAVDVVA
 IGLVSGQVVIHNIKYDETLMKFHQDWGPITSISFRTDGHPIAAGSPCGHIGLWLEDKLLINQMRNAHS
 TAISGLTFLHREPLLVTNGADNALRIWIFDGPAGEGRLLRFRMGHSASLTKIRYYQNGQQILSASQDGT
 LQSFSTVHEKFNKSLGHGLVNKKIVKRKGLQNTMSVRLPPITQFAAEEARQSDWDGIIACHQGKRSCTSW
 NYQRSTIGAYFLKPRGVKTNSNLATAVDITSCGNFAIIGLSSGAVDVYNNMQSGIHRGNFGDDKAHTGSV
 RGVAVDGLNQLVVTAGSERLLKFWNFKSKVLIHSLGLDSSPNMMLLHRDSGILGLAMDDFSIAVLDIETR
 KIVREFSGHHGQINDMVKQTAFAQISSLIISCLGERCLNN

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

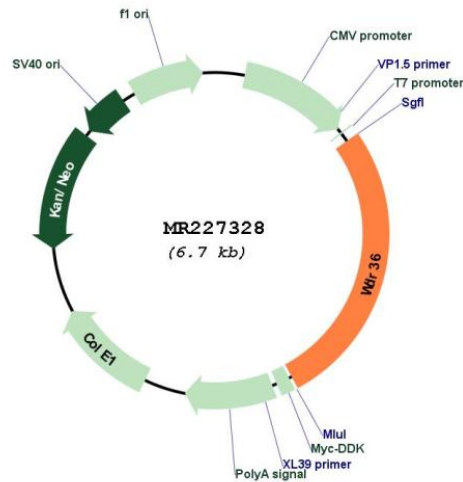
Cloning Scheme:

Cloning sites used for ORF Shutting:



* The last codon before the Stop codon of the ORF

Plasmid Map:



ACCN: NM_144863

ORF Size: 1794 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:	NM_144863.4 , NP_659112.2
RefSeq Size:	2161 bp
RefSeq ORF:	1797 bp
Locus ID:	225348
Cytogenetics:	18 B1
MW:	66.4 kDa