

## Product datasheet for MR214330

### Wdr86 (NM\_001081441) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Wdr86 (NM\_001081441) Mouse Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Wdr86  
**Synonyms:** 2810046M22Rik; BC059069  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**ORF Nucleotide Sequence:** >MR214330 representing NM\_001081441  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGGGGAGCAGCGGGTCGGCTCTGAGGGTCTGTGCGGACCACCGGGGGCATCAACTGGCTGAGCCTGA  
 GCCCCGACGGGCAGCGCCTGCTGACGGGCAGGAGACGGCACAGCCGCCTCTGGAGCACCGTGGACGG  
 CCAGTGTGCGCGCTCCTCAAGGACATGAGAGCTATGTGACCTTCTGTACCTGGAGGATGAAGCTGCC  
 TTCACCTGTAGTGTGACTGCACCATCCGAGGTGGGATGTGAGGACGGGCAGTGTCTGCAGGTGTACA  
 GAGGACACACATCCATTGTGAACAGGATCCTAGTTGCCAATGACCAGCTTTCAGCAGTTCCTATGATCG  
 GACAGCTCGTGTGTGGACTGTGGACAAAGGGCAAGTGTCCAAGAGTTCGGGGCCACCGTAAGTGTGTA  
 CTGACACTAGCCTACTCTGCTCCCGAGGACCTGCCCAAGATCCCTGCATGGAGGAGCCATGGGTGGT  
 GGCTCCTAGTGTGAGTGGCAGCTCAGATGACACAGCCAAAGTGTGGCAGGTAGCCAGTGGCTGCTGCCACCA  
 GACTCTTCGGGGCCACACAGGTGCAGTGTGTGCTGGTGTGATGTCCAGCCACACAGCCTTACACA  
 GGCAGCACTGATGCCACCGTTCGCGCTTGGGACATCCTGAGTGGGAGCAGTGCAGATTTTCGGGAGC  
 ACCAGGGCTCTGTATCTGTTTGGAGCTCACAGATCGGCTCCTGTACTCGGGCAGTGCAGGACAGAACTGT  
 CAAGTGTGGCTAGCTGATACTGGGAGAGGGTGTCTCACCTTTCCAGCACATAGACACAGCGTGAAGTGC  
 CTCAAGTACCACGAGGACCTTGTTCACAGGACGTGGGATGCCTGCGCCGGGCTTTGATGCCAGT  
 CAGGAGTGTGCAGAGGGTGTCCGAGGCCACACCTTTGTATCAACTGTCTCCAGGTGCAGGCCAGGT  
 GCTCTACACAGCTTCTATGATGGTGTCTGCGCCTCTGGGACGTACGTGGTCTCCAGTCCGTGCCACCT  
 TTGCCACGAGGCCAGCAGCCAAAGCGTAGCCTCTCACGCCTTTTAGCAACAAGTGGCCTGTGCAGCCC  
 CAGTGCCCTACAGCCAGCC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >MR214330 representing NM\_001081441  
Red=Cloning site Green=Tags(s)

MGSSGSALRVCADHRGGINWLSPDGQRLLTGSEDTARLWSTVDGQCCALLQGHESYVTFCHLEDEAA  
 FTCSADCTIRRWDVRTGQCLQVYRGHTSIVNRILVANDQLFSSSYDRTARVWTVDKGQVSQEFRGHRNCV  
 LTLAYSAPEDLPQDPCMEAMGGGLLVGTSSDDTAKVWQVASGCCQTLRGTGAVLCLVLHVSSHTAFT  
 GSTDATVRAWDILSGEQLRVFREHQGSVICLELTDRLLYSGSADRTVKCWLADTGERVLTFPAHRHSVSA  
 LKYHAGTLFTGSGDACARAFDAQSGVLQRVFRGHTFVINCLQVHGQVLYTASHDGALRLWDVYRGLQSVPP  
 LPRRPAKRSLSRLFSNKVACAAPVPLQPA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/mm9085\\_e03.zip](https://cdn.origene.com/chromatograms/mm9085_e03.zip)

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



\* The last codon before the Stop codon of the ORF

**ACCN:** NM\_001081441

**ORF Size:** 1140 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\\_001081441.1](#), [NP\\_001074910.1](#)

**RefSeq Size:** 1805 bp

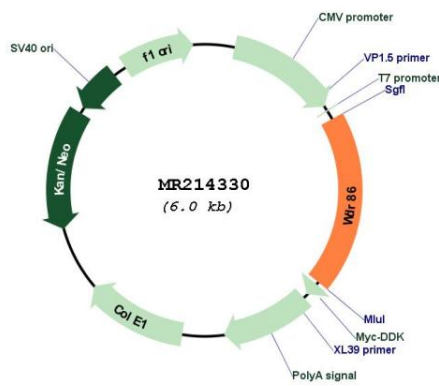
**RefSeq ORF:** 1143 bp

**Locus ID:** 269633

**Cytogenetics:** 5 A3

**MW:** 41.3 kDa

**Product images:**



Circular map for MR214330