

Product datasheet for **RR217210**

Wdr24 (NM_001191084) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Wdr24 (NM_001191084) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Wdr24
Synonyms:	RGD1304803
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RR217210 representing NM_001191084
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAAAAAGATGTCCCGAGTTACCCAGCCCTGAGTGGCAGTGCAGTGCAGGCCGAACCATGCACTGCC
 ACCTGGATGCACCAGCTAATGCCATCAGTGTGTGCCGAGATGCAGCCAGGTTGTTGGCTGGCCGAAG
 CATCTTCAAGATTTATGCCATTGAAGAGGAGCAGTTTGTAGAGAAGCTGAATTTACGTGTGGCCGAAA
 CCCTCACTCAACCTGAGCTGTGCTGATGTGGTCTGGCACCAGATGGATGAGAATCTGCTGGCCACAGCAG
 CCACCAATGGTGTGGTGGTTACTTGAACCTAGGCCGGCCATCCCGAACAAACAGGATCAGCTGTTAC
 AGAACACAAGCGCACAGTGAACAAAGTCTGTTCCATCCCACTGAGGCCCATGTGCTGCTCAGTGGCTCT
 CAAGATGGCTTTATGAAGTGTCTTGATCTCCGAAGGAAGGACTCTGTGAGCAGCTCTCTGGCCAGTCTG
 AGAGCGTGCAGGAGTGCAGTTCAGTATTCGTGACTACTTACCTTTGCTTCCACCTTTGAGAACGGCAA
 TGTGCAGCTCTGGGACATCCGCCGTCGCCACCGGTGTGAAAGGATGTTCCAGCCCAATGGCCCTGTC
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 TCTGGGACATGACCACACATCGTGCCAAGGAGATACACTGTGTGACAGACCATCGCTTCACTGGCCCGAGT
 CAAATGGCGTCTGAGTGCCGCCACCACCTGGCCACGTGCTCCATGATGGTGGACCATAACATCTATGTA
 TGGGATGTACGCCGGCCCTTTGTGCCAGCTGCTATGTTGGAAGAGCACCCTGATGTCACGACAGGCATTG
 CCTGGCGCCATCCACATGACCCCTCTTCTCCTCTCCGGCTCCAAGGACAGCAGATTATGCCAGCACCT
 GTTTCGGGATGCCAGTCAAGCTGTTGAGCGTGCCAACCTGAGGGTCTCTGTTACGGACTCTTGGGGAC
 CTGGCCCTTGTGTCAAAGAAAGCCTGGTGGCCGCTGAATCTGGACGTAACCCCTATGCTGGTATCGGC
 GTCACCCATCTTCTTCAAGCGCAAGTTGGACCCTGCAGAACCTTTTTCTGGCCTTGCTTCCAGTGCAT
 CAGCGTCTTTGAGACTGAGTCTGGTGGCAGCATGAGCTGGTTCGTGGATACAGCTGAACGCTATGCT
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 AGGTGGCCAGACATGGACCATGTTACGGATTATCTACTGCAGCCCTGGCTTGGTGTCTCTGCCAATCT
 CAACCACAGCGTCCGCAAGGCAGCTCCTGCAGCCTACCCTCATGAACAGCTTCAATCTGAAGGATATG
 GGCCAGGGCTGGGACGAGACGCGGCTGGATCGCAGCAAGGGGACACACGGAGCGACACGGTTCTGC
 TCGACTCTCAGCCACACTCATACCAATGAGGATAACGAGGAGACTGAGGGGAGTGACGTACCCGCTGA
 CTACCTGTGGGTGACGTAGAAGGAGAGGAGGATGAGCTATACCCACTGGACACAGAGCATGTGCACCCG
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 GCCCGAGCACCTGCAGGACAAGGCCGACTCTCCACATGTGAGCGCAACGAGGCAGACACAGCTTCATT
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 GACTTCTTCAGTGTGGTCCGGGACATGTTGCACCTTCTACGCTGAGCAGGGCGACGTGCAGATGGCTG
 TGTCTGTTCTCATCGTGTGGGTGAGAGAGTACGAAAGGACATCGACGAGCAGACTCAGGAGCACTGGTA
 CACATCTACATCGATCTGCTGCAGCGCTTCTGCCTTTGGAATGTGTCCAATGAGGTGGTGAAGCTGAGC
 ACCAGCAGGGCCGTGAGCTGCCTCAACCAAGCCTCCACCACCTGCATGTCAACTGTAGTCACTGCAAAAC
 GGCCCATGAGCAGCCGAGGCTGGTCTGCGACAGGTGCCGCCGCTGTGCCAGCATGTGTGCCGCTGCCA
 TCATGTGGTTAAAGGTCTGTTTCGTATGGTGTCAAGGTTGCAGTCATGGTGGCCATCTTCAGCACATCATG
 AAATGGCTGGAAGGCAGCTCCCACTGCCCTGCAGGCTGCCGCCATCTCTGTGAATACTCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR217210 representing NM_001191084
Red=Cloning site Green=Tags(s)

MEKMSRVTTALSGSALTGRTMHCHLDAPANASVCRDAAQVVVAGRSIFKIYAIEEEQFVEKLNLRVGRK
PSLNLSCADVWHQMDENLLATAATNGVVVTWNLGRPSRNKQDQLFTEHKRTVNKVCFHPTEAHVLLSGS
QDGMKCFDLRRKDSVSTFSGQSESVRDVQFSIRDYFTFASTFENGNVQLWDIRRPDRMFTAHNGPV
FCCDWHPEDRGWLATGGRDKMVKVWDMTTHRAKEIHCVQTIASVARVKWRPECRHHLATCSMMVDHNIYV
WDVRRPFVPAAMFEEHRDVTGIAWRHPHDP SFLLSGSKDSTLCQHLFRDASQPVERANPEGLCYGLFGD
LAFVKESLVAAESGRKPYAGDRRHPIFFKRKLDPAEPFSGLASSALSVFETESGGGMSWFVDTAERYA
LAGRPLAELCDHNAKVARELGRNQVAQTWMLRIIYCSPGLVSSANLNH SVGKSSCSLPLMNSFNKDM
GPGLGSETRLDRSKGDTRSDTVLLDSSATLITNEDNEETEGSDVPADYLLGDVEGEEDEL YPLDTEHVHP
EEPEYVLPQEAFLRHEIVDTPSGPEHLQDKADSPHVSGNEADTASLAPVDSSSSLLSVSHALYDSRLPP
DFFSVLVRDMLHFYAEQGDVQMAVSVLIVLGERVRKDIDEQTQEHWYTSYIDLQRFLWNVSNEVVKLS
TSRAVSCLNQASTTLHVNC SHCKRPMSSRGWVCDRCRRCASMCVCHHVVKGLFVWCQGC SHGGHLQHIM
KWLEGSSHCPAGCGHLCEYS

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI

Cloning Scheme:



ACCN: NM_001191084

ORF Size: 2370 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_001191084.1](#), [NP_001178013.1](#)

RefSeq Size: 2738 bp

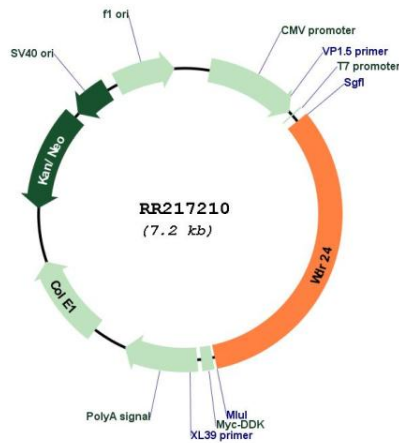
RefSeq ORF: 2373 bp

Locus ID: 360497

Cytogenetics: 10q12

MW: 88.3 kDa

Product images:



Circular map for RR217210