

## Product datasheet for **RR208407**

### Wdr12 (NM\_199410) Rat Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Wdr12 (NM_199410) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Wdr12
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR208407 representing NM_199410 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGGCACAACCTCCAGGCACGTTTCTACACGGAGAACAAGAAATATGCAGTAGATGATGTTCTTTCTCAA  
TCCCTGCCACCTCAGAAGTTGCTGACCTTAGTAATATTATCAATAAATTGCTGGAGACCAAAAATGAGTC  
CCACAAACATGTCGAGTTTGATTTCCCTCATCAAGGCCAGTTTCTCGAATGCCCTTGGTCAAACACATG  
GAACTGGAAGACATTTTCATCGGAAGAGGTTGTGGAAGTGAATATGTGGAAAAATACACCGACCCGAGC  
CAGAGCAATGCATGTTCCACGATGACTGGATCAGCTCAATTAAGGGGCAGAAGAATGGATCCTGTCTGG  
TTCTTATGATAAGACTTCTCGAATCTGGTCTTGGAAAGGAAAGTCAATAATGACAATTGTGGGACATACA  
GATGTTGTGAAAGATGTGGCTTGGGTGAAAAAAGACAGTCTGTCTTGCCTACTCCTGACGGCCTCGATGG  
ACCAGACTATTCTTTATGGGAGTGAACATAGAGAGGAACAAAGTGAAGGCTTCTCACTGCTGCAGAGG  
GCATGCTGGGAGTGTGGACGCCATAGCAGTTGATAGCTCTGGAAGTAAATTCGCAGTGGCTCCTGGGAT  
AAGATGCTGAAGATCTGGTCTACAGTCCCTACAGATGAGGAAGATGAAATACAAGAACCCACAAATCGAC  
CAAGAAAGAAGCAGAAAACAGAACAATTGGGACTGACAAGAACACCCCTTGGTGACCTCTCTGGCCACAC  
AGAAGCAATTTCCCTCAGTACTCTGGTCTGATGCTGACGAAGTCTGCAGTGCCTCTTGGGATCACACAGTC  
AGAGTGTGGGATGTTGAGTCCGGAGGTCTTAAGTCAACTCTGACAGGAAATAAGGTGTTCAATTGTATTT  
CCTATTCTCCCCTCTGTAACGTTTGGCGTCTGGAAGCACAGACAGGCACATTAGGCTGTGGGATCCCCG  
AACTAAAGATGGCTCTTTGGTGTGCTGTCCCTCACCTCACACACAGGCTGGGTAACATCAGTGAAGTGG  
TCACCTACCCATGATCAGCAGCTGATCTCAGGCTCTTTAGATAACATGGTGAAGCTATGGGATACGAGAA  
GTTGTAAGGCTCCTCTCTACGACCTAGCTGCACATGAAGACAAAGTCTAAGTGTGGACTGGACAGACAC  
AGGGCTACTTCTGAGTGGAGGAGCAGACAATAAATTGTATTCTACAGATATCCCTACCACTCCCAT  
GTGGGGCT

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR208407 representing NM\_199410  
 Red=Cloning site Green=Tags(s)

MAQLQARFYTENKKYAVDDVPFISIPATSEVADLSNIINKLLETKNELHKHVEFDFLIKGQFLRMPLVKHM  
 ELEDISSEEVVELEYVEKYTAPQPEQCMFHDDWISSIKGAEWILSGSYDKTSRIWSLEGKSIMTIVGHT  
 DVVKDVAWYKKDSL SCLLLTASMDQTILLWEWNIERNKVKALHCCRGHAGSVDAIADVSSGTFKFCGSGSWD  
 KMLKIWSTVPTDEEDEIQEPTNRPRKKQKTEQLGLTRTPLVTL SGHTEA.ISSVLWSDADEVCSASWDHTV  
 RVWDVESGGLKSTLTGNKVFNCISYSPLCKRLASGSTRHIRLWDPRTKDGSLVLSLTSHTGWVTSVKW  
 SPTHDQQLISGSLDNMVKLWDRSCKAPLYDLAAHEDKVL SVDWDTGLLLSGGADNKLYSYRSPPTTSH  
 VGA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

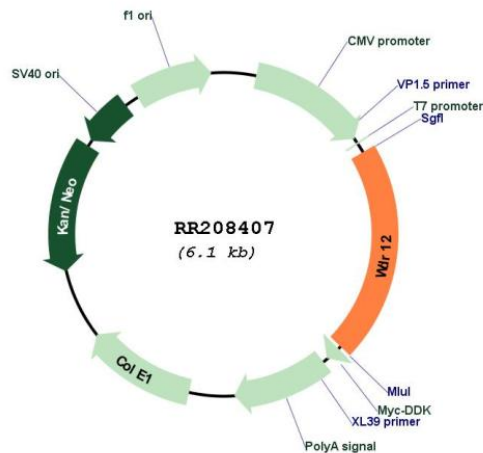
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



<b>ACCN:</b>	NM_199410
<b>ORF Size:</b>	1269 bp
<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_199410.2</a> , <a href="#">NP_955442.1</a>
<b>RefSeq Size:</b>	1490 bp
<b>RefSeq ORF:</b>	1272 bp
<b>Locus ID:</b>	363237
<b>UniProt ID:</b>	<a href="#">P61480</a>
<b>Cytogenetics:</b>	9q32
<b>MW:</b>	47.6 kDa
<b>Gene Summary:</b>	mouse homolog is a propeller-folded protein containing seven WD repeat units which appears to bind Notch1 and may be involved in Notch signalling activity [RGD, Feb 2006]