

## Product datasheet for RR214027

### Wdr4 (NM\_001135667) Rat Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Wdr4 (NM_001135667) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Wdr4
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR214027 representing NM_001135667 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCCCGCATCGCC

ATGGCGAGCTCTGCGGGCCTGGCACTGTGCGCCAGACGCTGGTGGTGCGAGGAGGCAGCCGGTTCCTAG  
CCTTCTCCACCGGAGCAGCGACGATGACTGCCTCTTCTCGTATGACTGCAGCACTGCCGAGAAGAAGTC  
CGTGCAGGAAGATAAAGGGGAGGACGGACAGCCCGCAGACAGGGGAGTGACACGATTCTGGCGTCCACC  
TTCTCCAAGTCTGGCCGCTATTTTGCTTAACTGATGACAGTAAGCGTCTGATTCTTTCCGTACAAAAC  
CATGGCAATGTCTGAGTGTGAGGACGGTGGTGGGAGGTGACCCGCCCTGACCTTACAGCCTCCGAGGA  
TCGAGTCTTGGTGGCTGACAAGTCTGGAGACGTCTACTCCTTCCCGGTGCTGGATTCCGGTGGATGTGGC  
AGGCTGGAACCTTGGGCACCTCTCCATGCTGCTAGATGTGGCTGTGAGTCTGATGACCAGTTTGTGCTCA  
CCGCAGACCGGGATGAGAAGATCCGGGTCAGTGGGCTGCCGCCACACAGCATCGAGGCTTTCTGCCT  
GGGCCACACGGAGTTTGTGAGCCGATCTTTGTGGTGGCCAGTCATCCTGAGCTGCTGCTTTCTCCTCC  
GGGACCGCACCCCTGAGACTCTGGAAGTACAGAAGTGGTGGCAGCTGCAGTGTGTGACCTGGCCAGCC  
TACAGGAGCCTGGCGAGCATTAGTCCACAAGGGGTTGGCTGCATCCAGGATTGCATTCTGGGGACGGGA  
GAGCTATGTGGTCTTCTGTGTGAGTGTGCCCTGTGGGCTTCGTCTTCCAACTTGATGCCAGCAGACAG  
CAGCTGGTGTTCAGACAGCGGCTGACTTCCCTCACCGGGTGTGGATGTTGTATTTGAGGAGACTCGGG  
GCCTGTGGGTTCTGCAGGACTGCCGTGATGCCCTCTGGCGCTCTGGAGGCCATGGGCAGCGAGTGGCA  
GGCTGCTCCTGACGATGCTGTGTCCAGAGACTCTGCAGCCATCTCCGTGAGAGCTGGGCTCTGCTGGT  
CAGATGATGGCTTCCGCAGCCTGTACAAGGCCACCTTTGACAACA

ACGCGTACGCGGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR214027 representing NM\_001135667  
 Red=Cloning site Green=Tags(s)

MASSAGLALCAQTLVVRGGSRFLAFSTASSDDCLFSYDCSTAEKKSVDKEDGQPADRGSDTILAST  
 FSKSGRYFALTDSSKRLILFRTPWQCLSVRTVVRCTALTFTASEDRVLVADKSGDVYSFPVLDSGGCG  
 RLELGHLSMLLDVAVSPDDQFVL TADRDEKIRVSWAAAPHISIEAFCLGHTEFVSRIFVVPSPPELLLS  
 GDGTLRLWKYRSGCQLQCCDLASLQEPGEHSVHKGLAASRIAFWGRESYVLLCECVPVGFVFLDASRQ  
 QLVFRQLTFPHRVWDVVFEETRGLWVLQDCRDAPLALWRPMGSEWQAAPDDAVSQRLCSHLRESWALLV  
 QMMASAACTRPPLTT

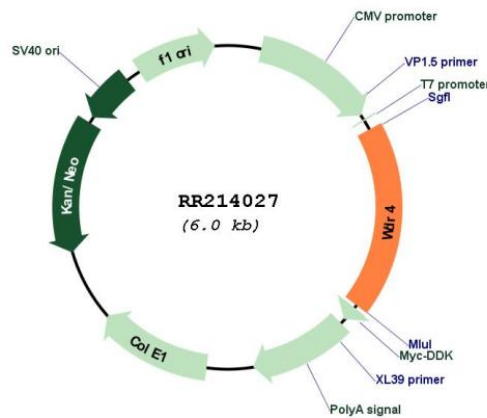
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM\_001135667

<b>ORF Size:</b>	1095 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_001135667.1</a> , <a href="#">NP_001129139.1</a>
<b>RefSeq Size:</b>	1903 bp
<b>RefSeq ORF:</b>	1098 bp
<b>Locus ID:</b>	690032
<b>Cytogenetics:</b>	20p12
<b>MW:</b>	40.4 kDa