

## Product datasheet for **RR210504**

### Wnt16 (NM\_001109223) Rat Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Wnt16 (NM\_001109223) Rat Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Wnt16  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**ORF Nucleotide Sequence:** >RR210504 representing NM\_001109223  
**Red=Cloning site Blue=ORF Green=Tags(s)**

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGACAGAGCGGCGCTCCTGGCCCTGCCAGCTTGTGTGCGCTGTGGCAGCCGTGCTGTCGCTGCTCC  
CCTGCGGAACCCAGGGCAACTGGATGTGGTTGGGCATCGCTCCTTCGGGGTACCGGAGAAGCTGGGCTG  
CTCCGGCTTGCCGCTGAACAGCCGCCAGAAGGAGCTGTGCAAGAGGAAACCGTACCTGCTGCCTAGCATC  
CGCAGGGGCGCCAGGCTGGGCATTTCAGGAGTGCAGAAGCCAGTTCGACACGAGAGGTGAACTGTATGG  
TCGCCACTGCCACCTCCACCCAGCTCGCTACAGCTCCCTCTTTGGCTATGAACTGAGTAGCGGCACCAA  
GGAGACAGCATTCAATTTATGCCATCATGGCTGCAGGCCTGGTGCCTCTGTAACCAGGTCATGCAGTGCA  
GGCAACATGACCGAGTGTTCCTGTGACACCACCTTGCAGAACAGTGGCTCAGCGAGTGAAGGCTGGCACT  
GGGGTGGATGCTCTGATGATGTCCAGTACGGCATGTGGTTCAGCAGAAAGTTTCTAGACTTACCCGTCAG  
AAACACCACAGAAAAGAAAGCAAAGTCTGCTAGCCATGAATCTACACAACAACGAGGCAGGGCGGCAG  
GCTGTCGCCAAGTTAATGTCTGTGGACTGCCGCTGCCATGGTGTTCGGCTCCTGTGCTGTGAAAACCT  
GCTGGAACATATGTCTCTTTTAAAAGATTGGGTATTTTTAAAGGATAAATATGAAAACAGCATCCA  
GATCTCAGACAAAACCAAGGAAAGATGCGCAGGAGAGAAAAGACCAGAGGCAGACACCCATTCTCAAG  
GATGACTTGCTATACGTCCATAAGTCTCCAACTACTGCGTGGAGAAACAAGAACTGGGTATTCTGGGA  
CCCAGGGCAGAGAGTGAACCGTACGTCAGGAGGCGGGATGGCTGTAACCTCCTCTGCTGTGGCCGAGG  
CTACAACCCACGTAGTCAGGCACGTGGAGAGGTGTGAGTGTAAAGTTTATCTGGTGTGTTACGTCCGC  
TGCAGGAGGTGTGAAAGCATGACCGATGTCCCACTTGTAAAG

**ACGCGT**ACGCGGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RR210504 representing NM\_001109223  
 Red=Cloning site Green=Tags(s)

MDRAALLALPSLCALWAAVL SLLPCGTQGNMWWLGIASFVPEKLGCSGLPLNSRQKELCKRKP YLLPSI  
 REGARLGIQECSQFRHERWNCMVATATSTQLATAPLFGYELSSGKETAFIYA IMAAGLVHSVTRSCSA  
 GNMTECSCD TLLQNSGSASEGWHWGGCSDDVQYGMWF SRKFLDLPVRNTEKESK VLLAMNLHNNEAGRQ  
 AVAKLMSVD CRCHGVSGSCAVKTCWKTMSFEK IGYFLKDKYENSIQI SDKTKRKMRRREK DQRQTPILK  
 DDL LYVHKSPNYCVENK LIGIPGTQGRECNRTSGGADGCNLLCCGRGYNTHVVRHVERCECKFIWCCYVR  
 CRRCESMTDVHTCK

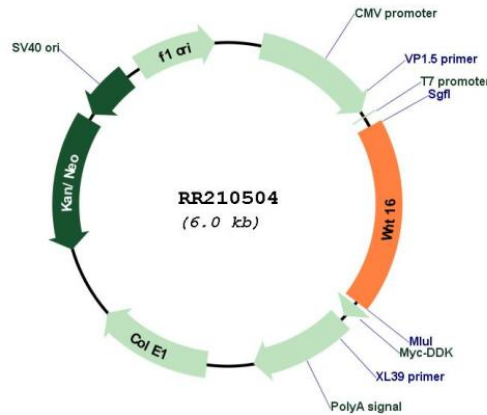
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_001109223

<b>ORF Size:</b>	1092 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_001109223.1</a> , <a href="#">NP_001102693.1</a>
<b>RefSeq Size:</b>	1662 bp
<b>RefSeq ORF:</b>	1095 bp
<b>Locus ID:</b>	500047
<b>Cytogenetics:</b>	4q22
<b>MW:</b>	40.7 kDa