

## Product datasheet for **RR211807**

### **Ryk (NM\_080402) Rat Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Ryk (NM_080402) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ryk
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**ORF Nucleotide Sequence:**

>RR211807 representing NM\_080402  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGCGCGCGGGCCGGGGCGCGTCCCGGGACCGCGGCCTGAGGGCCCCGCCGCCCGCTGCTCCTGC  
 TGCTGCTGGCGATGCTGCCCGCCGCCCGCCCGCGTCCCGGCCCTGGCCGCCGCTCCTGCGGGACCCAG  
 CGTGAGCCTCTACCTGAGCGAGGACGAGGTGCGCCGGCTACTCGGTCTTGATGCAGAACTTTACTATGTG  
 AGAAATGACCTCATCAGTCACTACGCTCTGTCCTTAACTGCTAGTGCCAGTGAGACAACTTCTCTGC  
 ACTTCACTTGGCATGCAAAGTCCAAGTTGAATAAAGCTGGGATTCCAAGTAGACAACCTTTGTGGCCAT  
 GGGCATGCCCCAGGTCAATATTTCTGCTCAAGGGGAGTCCCACGCATTTATCAGTGTTCGGGTGCGAG  
 CTTTCGTGTACCGCAAAGTAGACTCGGAAGTCATGATACTAATGCAGCTCAATCTGACAGTGAATTCCT  
 CAAAAATTTTACAGTTTTAAATTTTAAACGAAGGAAAATGTGCTACAAAAACTTGAAGAAGTAAAAAC  
 TTCAGCCTTGGACAAAAACTAGCAGAACTATTTATGATCCTGTACACGCAGCTCCAACACTTCCACA  
 CGTGTGTTTTACATCAGTGTGGGGTTTGTGTGCAAGTAAATTTCTGTAGCAATAATATTAGCAGTTT  
 TGCACCTTCATAGTATGAAAAGGATTGAACTGGATGACAGCATCAGCGCCAGCAGAGTTTACAGGGGCT  
 GTCTCAGCCGTCCACCCAGACGCCAGTATCTGAGAGCTGACACACCCAACAATGCAACTCCTGTCAAC  
 AGCTCCTCAGGTTACCTACCTTGGCGATAGAGAAGAAGGACTTGCAGAGTGTACTTCAAGAAGGTAC  
 AAGCCAAGGTGAAGGATATTGCAATATCCAGGGAAAGGGTCACTGAAAGATGTACTTCAAGAAGGTAC  
 TTTTGGCGTATTTCCATGGGATTTAGTAGATGAAAAAGTCCAAATAAAGAAAAACAAACATTCGTA  
 AAAACAGTTAAAGACCAAGCTTCTGAAGTTCAGGTGACCATGATGCTTACTGAGAGCTGCAAGCTGCGAG  
 GTCTGCACCACAGAAACCTCCTTCTTACTCATGTGTCATAGAAGAAGGAGAAAAAGCCTATGGTGTAT  
 ATCGCCATATGAACTGGGGGAATCTTAAATTTTCTACGGCAGTGCAAATTAGTAGAAGCCAATAAT  
 CCACAGGCAATTTCCCAACAAGATCTGGTACATATGGCTATTCAGATTGCCTGCGGAATGAGCTACCTGG  
 CCAGAAGGGAAGTGATTCATAAAGACCTGGCTGCTCGGAAGTGCATCGACGACACTCTTCAAGTAAA  
 AATCACAGACAATGCCCTTCCAGAGACCTGTTCCGATGGACTACCACTGTCTGGGGGACAACGAGAAC  
 AGGCCAGTGAGATGGTCTGGAAGCCTGGTCAACAATGAGTTCTCTAGTGCTAGTGACGTGTGGG  
 CCTTTGGAGTGACACTGTGGGAGCTCATGACTCTGGCCAGACGCCCTACGTGGACATCGACCCCTTGA  
 GATGGCCGCTTACCTGAAAGATGGTACCGAATAGCCAGCCAATCAACTGCCCTGACGAACTGTTTGT  
 GTGATGGCCTGTGCTGGCCTTGACCAGAGGAGCGGCTAAGTTTCAGCAGCTGGTCCAGTGCCTCA  
 CAGAGTCCATGCTGCCCTGGGCGCTACGTC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RR211807 representing NM\_080402  
 Red=Cloning site Green=Tags(s)

MRAGRGVPGTGGLRAPPPLLLLLLAMLPAAPRSPALAAAPAGPSVSLYLSEDEVRRLLGLDAELYV  
 RNDLISHYALSFNLLVPSETNFLHFTWHAKSKVEYKLGQVDFVAMGMPQVNI SAQGEVPTLSVFRVE  
 LSCTGKVDSEVMILMQLNLTVNSSKNFTVLFKRRKMCYKKEEVKTSALDKNTSRTIYDPVHAAPTST  
 RVFYISVGVCCAVIFLVAIILAVLHLHSMKRIELDDSSISASSSSQGLSQPSTQTTQYLRADTPNNA  
 PVTSSSGYPTLRIEKNLRSVTLLEAKAKVKDIAISRERVTLKDVLEQGFGRIFHGILVDEKDPNKEKQTFV  
 KTVKQDQASEVQVTMMLESCKLRGLHHRNLLPITHVCIEEGEKPMVISPYMNWGNLKLFLRQCKLVEANN  
 PQAISQQDLVHMAIQIACGMSYLARREVIHKDLAARNVDDTLQVKITDNALSRDLFPMYHCLGDNEN  
 RPVVRWMALESVNNEFSSASDVWAFGVTWELMTLGQTPYVDIDPFEMAAYLKDGYRIAQPINCPDELFA  
 VMACCWALDPEERPKFQQLVQCLTEFHAALGAYV

**TRTRPLEQKLI**SEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-MluI



<b>ORF Size:</b>	1782 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_080402.1</a> , <a href="#">NP_536327.1</a>
<b>RefSeq Size:</b>	1785 bp
<b>RefSeq ORF:</b>	1785 bp
<b>Locus ID:</b>	140585
<b>Cytogenetics:</b>	8q32
<b>MW:</b>	66.2 kDa
<b>Gene Summary:</b>	an orphan receptor [RGD, Feb 2006]