

## Product datasheet for **RR213761**

### Rtp1 (NM\_001105870) Rat Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Rtp1 (NM\_001105870) Rat Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Rtp1  
**Synonyms:** RGD1560980  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**ORF Nucleotide Sequence:** >RR213761 representing NM\_001105870  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGCC**

ATGAGGATTTTTAGACCGTGGAGACTGCGTTGCCCTGCCCTGCACCTACCCTCTTCCCTACATTCTCTA  
TAAAGTGGAGTTTGCCTTCTCTCCCACTGACGAAGACATGTGTAAGAGTGTGACCACAGGTGAGTGGAA  
GAAGGTGTTCTATGAGAAGATGGAGGAGGTGAAGCCAGCGGACAGCTGGGACTTCATCATAGACCCCAAT  
CTCAAGCACAATGTGTTGGCTCCAGGCTGGAAGCAGTACCTGGAACCTCATGCCTCAGGCAGGTTCCACT  
GTTCTGGTGTGGCACACCTGGCAGTCGCCCCACGTAGTTATCCTCTTCCACATGTACTTGGACAAGGC  
TCAGCGTGCTGGTTCGGTGCGCATGCGCGTGTCAAGCAGCTGTGCTACGAGTGTGGCACAGCACGGCTG  
GACGAGTCCAGCATGCTGGAGGAGAATCGAAAGCCTGGTGGATAACCTCATCACCAGTCTGCGCGAGC  
AGTGCTACGGCGAGCGTGGTGGCCACTACCGCATCCATGTGGCCAGCAGGCAGGACAACCGGCGACACCG  
CGGAGAGTTCTGCGAGGCCTGCCAGGAAGGCATTGTGCACTGGAAGCCCAGCGAGAAGCTACTGGAGGAG  
GAGGCGACCACCTACACCTTCTCCCGTGCTCCCAGCCCCACCAAGCCGAGGCCGAGACAGGCTCAGGCT  
GCAACTTCTGCTCCATCCCCTGGTGCTATTTTGGGCCACGGTCTGTTGCTCATTATCTACCTGCAATT  
CTCCTCCGTAGTCTGTC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RR213761 representing NM\_001105870  
 Red=Cloning site Green=Tags(s)

MRIFRPWRLRCPALHLPSPFTFSIKWSLPSLPTDEDMCKSVTTGEWKVFYEKMEEVKPADSWDFIIDPN  
 LKHNVLAPGWKQYLELHASGRFHCSWCWHTWQSPHVVILFHMVLDKAQRAGSVRMRVFKQLCYECGTARL  
 DESSMLEENIESLVDNLITSLREQCYGERGGHYRIHVASRQDNRRHRGEFCEACQEGIVHWKPEKLLLE  
 EATTYTFSRAPSPKPKQAETGSGCNFCPIPWCLFWATVLLLLIIYLQFSFRSSV

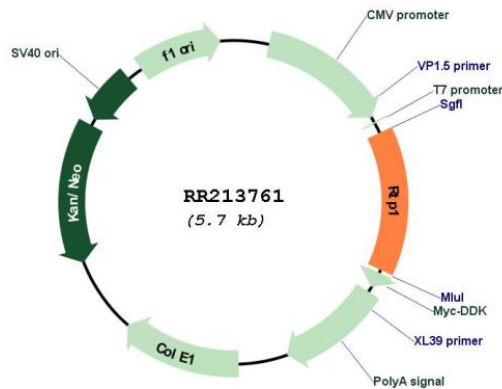
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_001105870

**ORF Size:** 789 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_001105870.1</a> , <a href="#">NP_001099340.1</a>
<b>RefSeq Size:</b>	825 bp
<b>RefSeq ORF:</b>	792 bp
<b>Locus ID:</b>	288006
<b>Cytogenetics:</b>	11q23
<b>MW:</b>	30.8 kDa