

## Product datasheet for RR211550

### Pomp (NM\_001100942) Rat Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Pomp (NM\_001100942) Rat Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Pomp  
**Synonyms:** RGD1305831  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**ORF Nucleotide Sequence:** >RR211550 representing NM\_001100942  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCCGCGATCGCC

ATGAACGCCAGAGGCCTTGGGTGCGAGCTGAAGGACAGTATTCCAGTTACAGAACTCTCAGCCAGTGGGC  
 CTTTCGAGAGTCATGATCTTCTCCGAAAGGGTTTTCTTGTGAAAAATGAACTTTGCCAGTACCC  
 TCTTGAATTATCAGAAAAAATTTCCAGCTCAACCAGGACAAGATGAACTTTCCACCCTGAGGAACATC  
 CAGGGCCTGTTTCTCCCTGAAGTTACAGATGGAGTTCAAGGCTGTGCAGCAGGTTTCAGCGTCTCCGT  
 TTCTTCGAGCTCAAACCTCTCACTGGATATTTGAGGGCAACGACGAGACCATTGGTTTTGAGGATAT  
 TCTTAATGATCCATCACAAAGTGAAGTGGCGAGCCACACATGATGGTGGAGTATAAGCTGGCTTG  
 CTG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >RR211550 representing NM\_001100942  
 Red=Cloning site Green=Tags(s)

MNARGLGSQLKDSIPVTELSASGPFESHDLRKGFSVKNELLPSHPLELSEKNFQLNQDKMNFSTLRNI  
 QGLFAPLKLQMEFKAVQQVQRLPFLPSSNLSLDILRGNDTIGFEDILNDPSQSELMGEPHMMVEYKGL  
 L

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

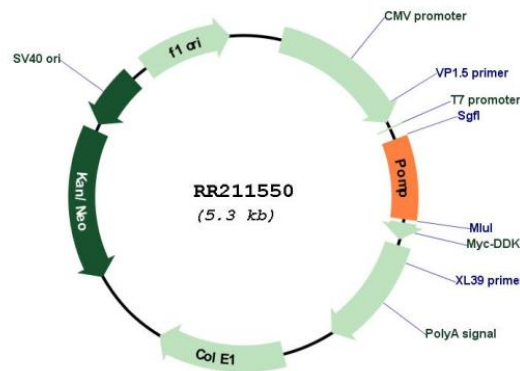


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Cloning Scheme:



Plasmid Map:



ACCN: NM\_001100942

ORF Size: 423 bp

OTI Disclaimer: 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. [More info](#)

OTI Annotation: 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>	<u>NM_001100942.1, NP_001094412.1</u>
<b>RefSeq Size:</b>	445 bp
<b>RefSeq ORF:</b>	426 bp
<b>Locus ID:</b>	288455
<b>Cytogenetics:</b>	12p11
<b>MW:</b>	15.8 kDa