

## Product datasheet for RR215115

### PrI (NM\_012629) Rat Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	PrI (NM_012629) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	PrI
Synonyms:	Gha1; PrI1a1; PRLB; PRLSD1; Prol; RATPRLSD1; RNPROL
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR215115 representing NM_012629 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCCGCGATCGCC

ATGAACAGCCAAGTGTCAGCCCCGAAAGCAGGGACACTCCTCCTGCTGATGATGTCAAACCTTCTGTTCT  
GCCAAAATGTGCAGACCCTGCCAGTCTGTTCTGGTGGCGACTGCCAGACACCTCTCCCGGAGCTGTTTGA  
CCGTGTGGTCATGCTTTCTCACTACATCCATACCCTGTATACAGATATGTTTATTGAATTTGATAAACAG  
TATGTCCAAGATCGTGAGTTTATTGCCAAGGCCATCAATGACTGCCCACTTCTTCCCTAGCTACTCCTG  
AAGACAAGGAACAAGCCCAGAAAGTCCCTCCGGAAGTTCTTTTGAACCTGATCCTCAGTTTGGTGCACCT  
CTGGAATGACCCTCTGTTTCAACTAATAACTGGACTAGGTGGAATCCATGAAGCTCCTGATGCTATCATA  
TCAAGAGCCAAAGAGATTGAGGAACAAAACAAGCGGCTTCTTGAAGGGATTGAAAAGATAATTAGCCAGG  
CCTATCCTGAAGCCAAAGGAAATGAGATCTACTTGGTTTGGTCACAACCTCCATCCCTGCAAGGAGTTGA  
TGAAGAATCCAAAGACTTGGCTTTTATAACAACATTCGGTGCCTGCGCAGGGATTCCCACAAGTTGAC  
AATTATCTCAAGTTCTGAGGTGCCAAATTGTCCATAAAAACAACTGC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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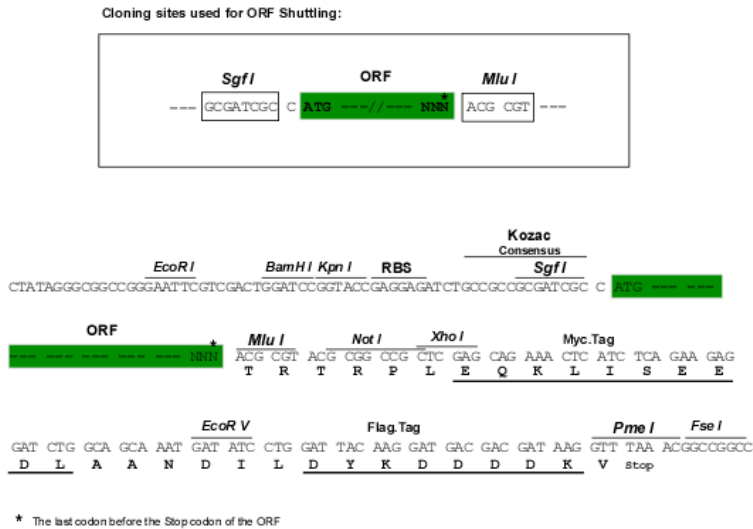
**Protein Sequence:** >RR215115 representing NM\_012629  
Red=Cloning site Green=Tags(s)

MNSQVSARKAGTLLLLMMSNLLFCQNVQTLPVCSGGDCQTPLELFDVVMLSHYIHTLYDMFIEFDKQ  
 YVQDREFIAKAINDCPTSSLATPEDKEQAQKVPPEVLLNLILSLVHSWNPFLQLITGLGGIHEAPDAII  
 SRAKEIEEQNRLLLEGIEKIIISQAYPEAKGNEIYLWSQLPSLQGVDEESKD LAFYNNIRCLRRDSHKVD  
 NYLKFLRCQIVHKNNC

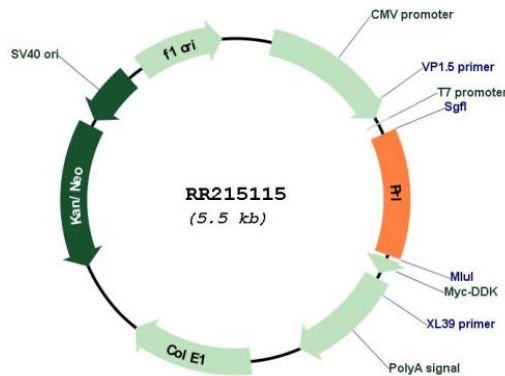
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** Sgfl-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_012629

**ORF Size:** 678 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_012629.1</a> , <a href="#">NP_036761.1</a>
<b>RefSeq Size:</b>	1016 bp
<b>RefSeq ORF:</b>	681 bp
<b>Locus ID:</b>	24683
<b>UniProt ID:</b>	<a href="#">P01237</a>
<b>Cytogenetics:</b>	17p12
<b>MW:</b>	25.8 kDa
<b>Gene Summary:</b>	induces lactation; may facilitate decidual growth and placentation; promotes prostate epithelial cell proliferation [RGD, Feb 2006]