

## Product datasheet for RR201955

### Gprc5a (NM\_001079890) Rat Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Gprc5a (NM_001079890) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Gprc5a
Synonyms:	Rai3
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR201955 representing NM_001079890 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGACTACTCCTAGAGCTGCTGCCCCAGTGGTTGCCGCTCAGACCTGGATTCCAGGTACTACAGACTTT  
GTGACCTGGCGGAAGTTGGGGCATCGCCCTGAAACACTGGCCGAGTCGGGGCCGTGGCTACGGTGGC  
TCTCATGTTTGGCTCGTTTTCTCATCTGCAAAGTGCAGGACTCCAGCAAAGAAAGATGCTTCCCACC  
CAGTTCCTCTTCCTCCTGGGAGTGCTAGGGTCTTTGGCCTCACCTTCGCCTTCATCATCAAGCTGGATA  
GGCCACAGGGCCACACGCTTCTTCCTCTTCGGTGTCCTCTTCGCCCTCTGCTTCTTGCCTCTTGGC  
CCATGCATTTAATTTGATCAAGCTGGTCCGAGGGAGAAAGCCCTGTCATGGCTTGATCCTCAGCCTG  
GCGGTGGGCTTCAGCCTGGTCCAGGACGTCATCGCCATTGAATTCCTGGTCTCACCATGAACAGGACCA  
ACGTCAATGTCTTTCCAGCTGCCTGCCCTCGGCGCAATGAGGACTTCGTCATGCTACTCATTACGT  
GCTCTTCTGATGGTGTGACCTTCGTCGATCCCTCTGGTTTTCTGTGGATCCTTCTCTGGCTGGAAG  
AGACACGGATCCACATATGCCTCACCTCATTCTCCTCCATCGCCATCTGGTGGCCTGGATCATCTGC  
TCCTGATTCGACATTGACCGAAATGGGATGACACCATCTCAGCACAGTCTTGGTGGCAATGGCTG  
GGTTTTCTGGTGTATATCTTGCCTGAGTTTCGACAGCTCCCGAGGCAACGGAGCTCCACCGATTAC  
CCAGTTGAAGATGCTTTCTGTAACCTCAACTCATGAAGCAGAGCTATGGTGTGGAGAACAGAGCTTACT  
CCCAAGAGGAAATCACCAAGGTCTTGAGGAGATGGGGACACACTCTATGCGCCTTATTCCACCCATT  
TCAGATGCAGAAATCGCCAAAAGGATTTCTCTATCCCGAGAGCCATACTCCAGCCAGTCCGTACAATGAC  
TACGAAGGACGCAAAGGGGACAGCTACGAAGGACGCAAAGGGGACAGC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



[View online »](#)

**Protein Sequence:** >RR201955 representing NM\_001079890  
 Red=Cloning site Green=Tags(s)

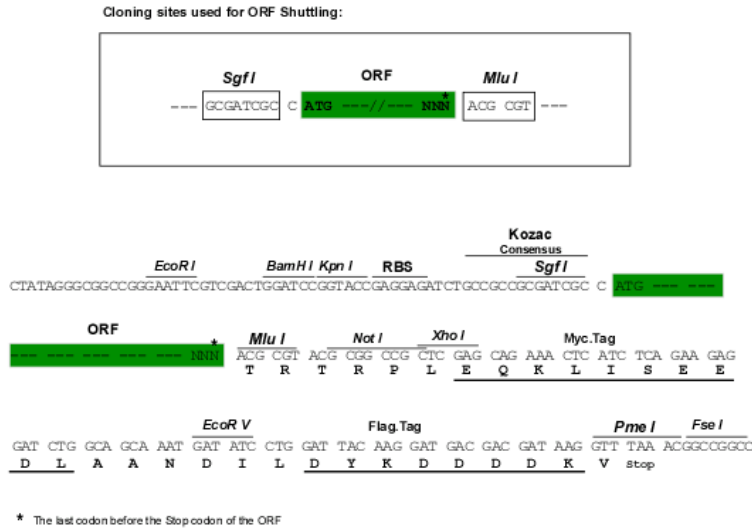
MTTPRAAAPSGCRSDLDSRYRYRLCDLAEGWGIALETAAVGAVATVALMFALVFLICKVQDSSKRKMLPT  
 QFLFLLGVLGVFGLTFAFIKLDLATGPTRFFLFGVLFALCFSCLLAHAFNLIKLVRGRKPLSWLVILSL  
 AVGFSLVQDVIAIEFLVLTMRNTNVNVFSQLPAPRRNEDFVMLLIYVFLMVLTFVASLLVFCGSFSGWK  
 RHGIHICLTSFLSIAIWVAWIILLIPDIDRQWDDTILSTVLVANGWVFLVFYILPEFRQLPRQRSSTDY  
 PVEDAFCKPQLMKQSYGVENRAYSQEEITQGLEEMGDTLYAPYSTHFQMQRKDFSIAPRAHTPASPYND  
 YEGRKGDSYEGRKGDS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

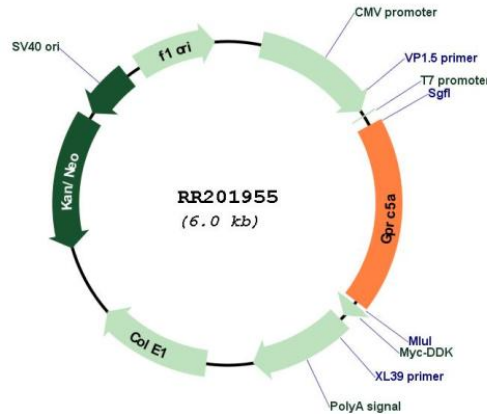
**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_001079890

<b>ORF Size:</b>	1074 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 Size:</b>	2094 bp
<b>RefSeq ORF:</b>	1077 bp
<b>Locus ID:</b>	312790
<b>Cytogenetics:</b>	4q43
<b>MW:</b>	40.5 kDa