

## Product datasheet for **RR201335**

### Guca1a (NM\_001106887) Rat Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Guca1a (NM\_001106887) Rat Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Guca1a  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**ORF Nucleotide Sequence:** >RR201335 representing NM\_001106887  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGGCAACGTCGTGGAGGGCAAGTCGGTGGAGGAGCTGAGTAGCACCGAATGCCATCAGTGGTACAAGA  
AATTCATGACGGAGTCCCCTCTGGCCAGCTCACCCCTACGAATCCGCCAATCTTTGGCCTCAAGAA  
CCTGAGCCCCTCAGCCAGCCAGTATGTGGAACAGATGTTTCGAGACCTTTGACTTCAACAAGGATGGCTAT  
ATTGACTTCATGGAGTAGTGGCCGCCCTCAGCCTGGTTCTCAAGGGCAAGGTGGAACAGAAGTTGCGTT  
GGTATTTCAAGCTCTACGACGTGGACGGCAACGGTGCATAGACCGGGACGAGCTGCTCACCATCATCCG  
GGCCATCCGAACCATTAATCCCTGGAGCGACTCATCCATGAGCGCTGAAGAATTCACAGATACCGTGT  
GCCAAGATCGACATCAACGGGGATGGGGAAGTGTCTCTGGAGGAGTTCATGGAAGGTGCCAGAAGGACC  
AGATGCTCCTGGACACGCTGACCCGAAGCCTGGACTTGACCCGATTGTGCGCAGACTTCAGAACGGCGA  
GCAGGAGGAGGCGGCTGGCGACCTGGCAGCGGAGGCTGCCGGT

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >RR201335 representing NM\_001106887  
Red=Cloning site Green=Tags(s)

MGNVVEGKSVEELSSTECHQWYKFMTECPGQLTLYEFRQFFGLKNLSPSASQYVEQMFETDFNKG  
IDFMEYVAALSLVLKGVQKLRWYFKLYDVGNGCIDRDELLTIIRAIRTINPWSSSMSAEFTDTVF  
AKIDINDGELSLEEFMEGVQKQMLLDLTLRSLDLTRIVRRLQNGEQEEAGAGDLAAEAAG

**TRTRPLEQKLISEEDLAANDILDYKDDDDK**V

**Restriction Sites:** Sgfl-MluI

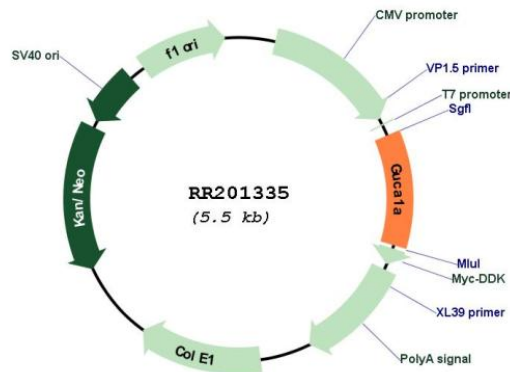


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Cloning Scheme:



Plasmid Map:



ACCN: NM\_001106887

ORF Size: 606 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_001106887.1, NP_001100357.1</u>
<b>RefSeq Size:</b>	990 bp
<b>RefSeq ORF:</b>	609 bp
<b>Locus ID:</b>	301233
<b>Cytogenetics:</b>	9q12
<b>MW:</b>	23 kDa