

## Product datasheet for **MG200571**

### **Cga (NM\_009889) Mouse Tagged ORF Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Cga (NM\_009889) Mouse Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** Cga  
**Synonyms:** aGSU; alpha-GSU; alphaGSU; alphaSU; CG-alpha; FSHA; GPHA1; GPHalpha; HCG; LHA; Tsha  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >MG200571 representing NM\_009889  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGGATTACTACAGAAAATATGCAGCTGTCTTCTGGTCATGCTGCCATGTTCTGCATATTCTTCATT  
 CTCTTCTGATGGAGACTTTATTATTACAGGTTGCCAGAATGTAACAAAGGAAAATAAATACTTCTC  
 CAAGCTAGGAGCCCCATCTACCAAGTGTATGGGCTGTTGCTTCTCCAGGGCATATCCCACTCTGCCAGG  
 TCCAAGAAGACAATGCTGGTCCAAAGAATATTACCTCGGAGGCCACATGCTGTGTGCCAAAGCATTTA  
 CTAAGGCCACAGTAATGGGAAATGCCAGAGTGGAGAATCATACGGAGTGCCACTGTAGCACTTGCTACTA  
 CCACAAGTCG

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:** >MG200571 representing NM\_009889  
 Red=Cloning site Green=Tags(s)  
 MDYYRKYAAVILVMLSMFLHILHSLPDGDFIIQGCPECKLKENKYFSKLGAPIYQCMGCCFSRAYPTPAR  
 SKKTM LVPKNITSEATCCVAKAFKATVMGNARVENHTECHCSTCYHKS

**TRTRPLE** - GFP Tag - V

**Restriction Sites:** Sgfl-MluI



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<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_009889.2</a> , <a href="#">NP_034019.1</a>
<b>RefSeq Size:</b>	691 bp
<b>RefSeq ORF:</b>	363 bp
<b>Locus ID:</b>	12640
<b>UniProt ID:</b>	<a href="#">P01216</a>
<b>Cytogenetics:</b>	4 16.86 cM
<b>Gene Summary:</b>	Shared alpha chain of the active heterodimeric glycoprotein hormones thyrotropin/thyroid stimulating hormone/TSH, lutropin/luteinizing hormone/LH and follitropin/follicle stimulating hormone/FSH. These hormones bind specific receptors on target cells that in turn activate downstream signaling pathways.[UniProtKB/Swiss-Prot Function]