

# **Product datasheet for MG200571**

# OriGene Technologies, Inc. 9620 Medical Center Drive, Ste 200 Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com CN: techsupport@origene.cn

# 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 >MG200571 representing NM\_009889

Sequence: Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC

GCCGCGATCGCC

CCACAAGTCG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:** >MG200571 representing NM\_009889

Red=Cloning site Green=Tags(s)

MDYYRKYAAVILVMLSMFLHILHSLPDGDFIIQGCPECKLKENKYFSKLGAPIYQCMGCCFSRAYPTPAR

SKKTMLVPKNITSEATCCVAKAFTKATVMGNARVENHTECHCSTCYYHKS

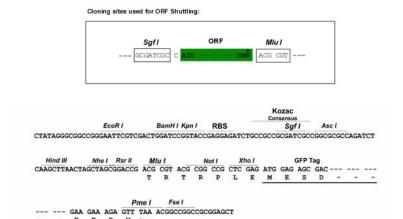
TRTRPLE - GFP Tag - V

**Restriction Sites:** Sgfl-Mlul

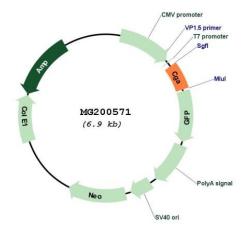




### **Cloning Scheme:**



## Plasmid Map:



**ACCN:** NM\_009889

ORF Size: 360 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.

Components: 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).

**Reconstitution Method:** 1. Centrifuge at 5,000xg for 5min.

2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.

3. Close the tube and incubate for 10 minutes at room temperature.

4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid

at the bottom.

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.

RefSeq: <u>NM 009889.2</u>, <u>NP 034019.1</u>

 RefSeq Size:
 691 bp

 RefSeq ORF:
 363 bp

 Locus ID:
 12640

 UniProt ID:
 P01216

 Cytogenetics:
 4 16.86 cM

**Gene Summary:** 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]