

Product datasheet for MR200571

Cga (NM_009889) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Cga (NM_009889) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Cga
Synonyms: aGSU; alpha-GSU; alphaGSU; alphaSU; CG-alpha; FSHA; GPHA1; GPHalpha; HCG; LHA; Tsha
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR200571 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGGATCGCC

ATGGATTACTACAGAAAATATGCAGCTGTCATTCTGGTCATGCTGCCATGTTCTGCATATTCTTCATT
 CTCTTCTGATGGAGACTTTATTATTACAGGTTGCCAGAATGTAAGTAAAGGAAAATAAATACTTCTC
 CAAGCTAGGAGCCCCATCTACCAAGTGTATGGGCTGTTGCTTCTCCAGGGCATATCCCACTCCTGCCAGG
 TCCAAGAAGACAATGCTGGTCCAAAGAATATTACCTCGGAGGCCACATGCTGTGTGCCAAAGCATTTA
 CTAAGGCCACAGTAATGGGAAATGCCAGAGTGGAGAATCATACGGAGTGCCACTGTAGCACTTGCTACTA
 CCACAAGTCG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR200571 protein sequence
 Red=Cloning site Green=Tags(s)

MDYYRKYAAVILVMLSMFLHILHSLPDGDFIIQGCEPKLKENKYFSLKGAPIYQCMGCCFSRAYPTPAR
 SKKTMLVPKNITSEATCCVAKAFKATVMGNARVENHTECHCSTCYHKS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI



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Cloning Scheme:


ACCN: NM_009889

ORF Size: 363 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: [NM_009889.1](#), [NM_009889.2](#), [NP_034019.1](#)

RefSeq Size: 691 bp

RefSeq ORF: 363 bp

Locus ID: 12640

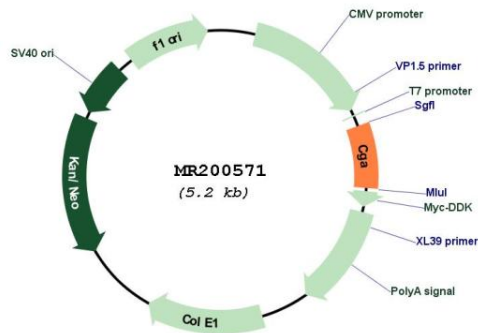
UniProt ID: [P01216](#)

Cytogenetics: 4 16.86 cM

MW: 13.6 kDa

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]

Product images:



Circular map for MR200571