

Product datasheet for **RN215429**

Cnga3 (NM_053495) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cnga3 (NM_053495) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Cnga3
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

Fully Sequenced ORF: >RN215429 representing NM_053495
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCATCAGATGGAACATCGACCATGGTCCAAGACAACAGGGTGTACGCTTCATCATCTCCATTCGTC
 CGTGGGCCGCCAGGCACTTACACCATGAAGACCCGACGCCTGACTCCTTTTTGGATCGTTTTTCATGGAGC
 TGAGCCTAAGGAAGTATCCAGCCAGGAAAGGAATGCCAGCCCAACCCAGGAGGACAGGAACCACAGAG
 GGAGGAAAGGCAGGAAGAAGGATCCCATTGTGGTGGACCCCTCCAGCAACATCTACTACCCTGGCTGA
 CTGCCATCGCCCTCCCGTCTTCTATAACTGGTGTCTACTTGTGTGCAGGGCCTGTTTTGATGAGCTACA
 GTCAGAACACCTGACACTGTGGCTGGTCTGGACTACTCTGCAGATGCCCTGTATGTTGTGGACATGCTG
 GTTCGTGCCCGGACAGGTTTCTTGAACAAGGCCTAATGGTCAGGGATACCAAGAGGCTGTGAAACATT
 ACACAAAGACCTTGCACTTCAAGCTGGACATCCTGTCTCTCATCCCCACAGACCTGGCTTATTTGAAGTT
 GGGCATGAACTACCCGGAAGTGGAGTTCATCGCCTCCTGAGGTTCTCTCGGCTCTTTGAGTTCTTTGAC
 CGCAGGAGACAAGGACCAACTACCCCAATGTGTTTCAGGATAGGGAACCTGGTTCTGTACACCCTATTA
 TCATCCACTGGAACGCCTGCATCTACTTTGCCATTTCCAAGTTTCATCGGTTTTGGAACAGATTCTGGGT
 CTATCCAAACACCTCCAAGCCGGAGTATGGACGCCTCTCCAGGAAGTACATTTACAGCCTCTACTGGTCC
 ACCTTGACCCTGACCACCTGGGGAGACCCCGCCCGCTGAAGGATGAGGAGTATCTCTTTGTGGTCA
 TAGACTTCTGGTGGGCGTCTGATCTTCGCCACTATAGTAGGCAATGTGGGCTCCATGATTTCCAACAT
 GAACGCTTCCCGGGCGGAGTCCAGGCTAAGATAGATTCATCAAGCAGTACATGCAGTTCGGAAGGTA
 ACCAAGGACTGGAGACTCGGGTTATCCGGTGGTTTACTATCTGTGGCTAACAGGAAGACGGTGGATG
 AAAAGGAAGTGCTCAAAAACCTCCAGACAAGCTGAAGGCCGAGATCGCCATCAACGTGCACCTGGACAC
 ACTGAAGAAAGTCCGAATCTTCCAGGACTGCGAGGCAGGGCTTCTGGTGGAGCTGGTGTGAAGCTTCGT
 CCTGCTGTGTTACGCCCTGGGACTACATTTGCAAAAAGGGGACATTGGAAGGGAGATGTACATCATCA
 AGGAGGGCAAGCTGGCTGTCTGGCTGACGATGGGGTCACCCAGTTTGTGGTCTCAGTGTGGCAGTTA
 CTTTGGGGAGATCAGCATCTTAAACATTAAGGGGAGCAAGTCGGGGAACCCGAGGACAGCCAACATCAGG
 AGCATCGGCTACTCGGACCTGTTCTGCCTCTCCAAGGATGACTTGTGGAGACCTCACGGAGTACCCGG
 ATGCTAAGAGGGCTCTGGAGGAAAAGGGTCGGCAGATTCTGATGAAGGACAACCTAATCGATGACGACCT
 GGTGACGGCCAGGCAGATGCCAGGAACATCGAGGAGAAGGTGGAGTACCTGGAGTATCCTTGGACGGC
 CTGCAGACGAGGTTCCGCCGACTCTGGCTGAGTACAGTGCCTCCAGATGAAGCTGAAACAGCGGCTCA
 GCCAGCTGGAGAGCCAGATGACCAGGAGGGTCTATGGCTTCTCACCTGACAGGGAGAATCCGAGGATGC
 TTCAAAAGCTGACTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_053495
- Insert Size:** 1836 bp
- OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
- 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_053495.1](#), [NP_445947.1](#)

RefSeq Size: 2213 bp

RefSeq ORF: 1836 bp

Locus ID: 85257

Cytogenetics: 9q21

Gene Summary: a subunit of a cGMP-selective cyclic nucleotide-gated (CNG) channel; may have a role in olfaction and vision [RGD, Feb 2006]