

Product datasheet for **RN206404**

Cnga4 (NM_053496) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cnga4 (NM_053496) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Cnga4
Synonyms:	Cgn2; rOCNC2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN206404 representing NM_053496
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGAGCCAGGACGGCAAAGTGAAGACCACAGAGTCCACGCCCCAGCCCCAACCAAAGCCAGGAAGTGGC
 TGCCAGTCTAGACCCATCTGGGGATTACTACTACTGGTGGCTGAACACAATGGTCTTCCAATCATGTA
 CAACCTCATCATCGTTGTATGCAGGGCCTGCTTTCCTGACTTGCAGCACAGTTACCTGGTGGCCTGGTTC
 GTGCTGGACTACAGAGTGACCTGCTGTACCTACTAGATATTGGGGTACGCTTCCACACAGGATTCTAG
 AGCAGGGCATCTGGTGGTAGACAAAGGCATGATCGCCAGTCGCTACGTCCGCACCTGGAGCTTCTGTT
 GGACCTGGCGTCCCTGGTCCCCACAGATGCGGCCATGTGCAGCTGGGCCCCACATCCCTACACTCCGG
 CTA AACCGCTTTCTCGAGTGCCCCGCCTTTTGAGGCTTTTGATCGTACAGAGACCCGCACGGCATAACC
 CAAATGCCTTCCGCATAGCCAAGCTGATGCTTTACATTTTGTGTCATCCATTGGAACAGTTGCTTATA
 CTTGCGCCTGTCCAGGTACCTGGGCTTTGGACGGGATGCGTGGGTATACCCAGACCCTGCGCAACCTGGC
 TTTGAGCGCTTGGCGGCCAGTATCTCTACAGCTTCTACTTCTCCACTCTGATCCTGACCACAGTGGGTG
 ACACGCCGCTGCCAGACCGAGAGGAAGAGTACCTCTTCATGGTGGGTGACTTCTGCTGGCCGTCATGGG
 TTTGCGCCACCATCATGGGTAGCATGAGCTCTGTCAATTTACAACATGAACACTGCAGATGCGGCCCTTCTAC
 CCAGACCATGCGCTGGTAAAGAAGTACATGAAGCTGCAGCATGTCAACAAGAGGCTGGAGCGGCGAGTTA
 TTGACTGGTACCAGCATCTTCAGATCAACAAGAAGATGACCAACGAGGTAGCCATCTTGCAGCACCTGCC
 TGAGCGGCTGCGGGCGGAGGTTGCTGTGTCGTCACCTGTCTACCCTGAGCCGAGTACAGATCTCCAG
 AACTGTGAAGCCAGCCTGCTGGAAGAGCTGGTGTGAAGCTACAGCCCCAGACCTACTCGCCAGGCGAAT
 ATGTGTGCCGCAAAGGGGACATTGGCCGAGAGATGTACATCCGTGAGGGCCAGCTGGCTGTGGTAGC
 CGATGATGGTGTACACAGTATGCTGTGCTTGGTGCAGGGCTCTACTTTGGGGAGATCAGTATCATCAAC
 ATCAAAGGGAACATGTCTGGAACCCGACGAACAGCCAACATCAAGAGCCTAGTTATTGAGACCTGTTCT
 GCCTCAGCAAGGAGGATCTGCGGGAGGTAAGTACTGAGTACCCACAGGCCAGGCGGTATGGAGGAGAA
 GGGCCGAGAAATCTTGCTTAAAAATGAATAAGTTGGATGTGAATGCTGAGGCAGCTGAGATCGCCCTCCAG
 GAGGCCACAGAGTCTCGGCTCAAAGGCCTCGACCAGCAGCTTGTGATCTGCAGACCAAGTTTGTCTCGCC
 TACTGGCTGAGCTGGAGTCCAGTGCAGTGAAGTAGCTTACCGCATCGAAAGGCTCGAGTGGCAGACTCG
 AGAGTGGCCAATGCCAGAGGACATGGGTGAGGCTGATGATGAGGCTGAGCCTGGAGAAGGGACGTCCAAG
 GATGGAGAGGGAAGGCTGGCCAGGAGGACCCTCAGACATAGAA**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_053496
- Insert Size:** 1728 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_053496.2](#), [NP_445948.2](#)

RefSeq Size: 2355 bp

RefSeq ORF: 1728 bp

Locus ID: 85258

UniProt ID: [Q64359](#)

Cytogenetics: 1q32

Gene Summary: olfactory cyclic nucleotide gated cation channel [RGD, Feb 2006]