

Product datasheet for **RN211210**

Cnga1 (NM_053497) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cnga1 (NM_053497) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Cnga1
Synonyms:	Cncg; HCN
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN211210 representing NM_053497
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAAAAAGGTGATTATCAACACGTGGCATTCTTCGTAATATCCCCAACGTGGTTGTACCAGCTATCG
 AAAAGGAAATTCGACGCATGGAAAATGGGGCGTCAGCTATTTCTGACAATGACAATGGCTCTCTGTC
 TGAAGAATCAGAGAATGAGGACTCTCTCTTTAGAACAACTCATACAGAAGGCGAGGACCATCCCAGAGG
 GAGCATTACTGCCAGGCACCATGGCTCTTTCAATGTTAACACAGCAGCAACAAGACCAAGACCCAA
 AGGAGAAAAAGAAAAAGAAAAAGAAAAAGAAAGCAAGGCCGATGATAAAAAGGAAAGTAAAAAGGACCC
 AGAGAAGAAAAAGAAAGGAAAAGGAAAAAGAGAAGAAAAAGGAGGAGAAACCCAAAGAAAAGAAAGAA
 GGGGAGAAAAAGAAAGTTGTGGTTATTGATCCCTCAGGAAACATGTAACAACCTGGCTGTTTTGTATCA
 CTTTACCTGTGATGTACAACCTGGACGATGATTATTGCAAGAGCATGTTTTGATGAACTCCAGTCTGATTA
 CCTAGAATATTGGCTCATTTTTGATTACGTATCAGATGTAGTCTACCTTGCTGATATGTTGTACGGACA
 AGGACAGGTTACCTGGAACAAGGTTGCTAGTAAAGACAACTGAAACTCATAGAGAAGTACAAAGCAA
 ACCTGCAGTTTAACTTGACGTTCTGTCACTGATACCGACCGACTGCTGATTTTCAAGTTTGGGTGGAA
 CTATCCAGAAATCAGGTTGAACCGGCTGTTAAGAATCTCTCGGATGTTTGAGTTCTTCCAGAGGACAGAG
 ACAAGGACCAACTACCGAACATCTTTAGGATCTCAAACCTTGTGATGTACATTGTCATCATCCACT
 GGAACGCGTGTGTACTACTCCATCTCAAAGCTATTGGATTGGGAATGACACATGGGTCTACCTGA
 TGTTAATGATCCTGAATTTGGCCGTTGGCTAGAAAATACGCTACAGCCTTTATTGGTCTACCTTGACT
 TTGACGACCATGGAGAAACCCACCCCGTGGATTCCGAGTATGCTTTTGGTGGTAGACTTCT
 TAATTGGAGTTTAAATTTTTGCCACCATTGTCGGTAACATAGGCTCCATGATTTCCAATATGAATGCAGC
 CCGGGCAGAATTTCAATCAAGAGTTGATGCTATCAAACAGTACATGAATTTTCGAAATGTGAGCAAGAC
 ATGAAAAAGAGAGTTATTAATGGTTTACTACCTGTGGACTAACAAAAAGACAGTTCGATGAGAGAGAAG
 TTCTGAGATACCTCCCTGACAACTCAGGGCAGAGATTGCCATCAATGTTACCTAGACACGTTAAAAAA
 GGTTTCGTATCTTGTGACTGTGAGGCTGGTCTGTTGGTGGAGTTGGTGTGAAATTACAACCCAGGTG
 TACAGTCTGGAGATTACATATGCAAGAAAGGGGACATTGGGCGGAGATGTACATCATCAAGGAAGGCA
 AACTTGTGTGGTGGCAGACGACGGAATCACACAGTTTGTGGTGTGAGTGACGGCAGCTACTTTGGCGA
 GATCAGCATTCTAACATCAAAGGCAGCAAGGCTGGCAACCGAAGAACAGCCAATTAAGAGCATTGGC
 TACTCGGACCTGTTCTGCCTCTCAAAGGATGACCTCATGGAAGCTTTACAGAGTACCCAGATGCCAAAA
 CTATGTTGGAGGAGAAAGGGAGGAGATCTTAATGAAAGACGGTCTACTGGATATAAACATTGCGAATTT
 GGGCAGTGACCCTAAAGACCTGGAAGAGAAGGTCACTCGAATGGAGGGTTCAGTGGACCTCCTGCAAAAC
 CGATTTGCCGAATCTTGGCTGAGTATGAATCGATGCAGCAGAACTCAAGCAAAGATTAACCAAGGTTG
 AGAAATTTTGAACCACTTATTGAACTGAATTTTCAGCCCTTGAGGAACCCGGAGGAGAAAGTGAACC
 CACAGAGTCTCTACAGGGCTAA

AG**CGGACCG**ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
 TGGATTACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-RsrII
ACCN: NM_053497
Insert Size: 2052 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:	<ol style="list-style-type: none">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_053497.1</u> , <u>NP_445949.1</u>
RefSeq Size:	2148 bp
RefSeq ORF:	2052 bp
Locus ID:	85259
UniProt ID:	<u>Q62927</u>
Cytogenetics:	14p11
Gene Summary:	olfactory cyclic nucleotide-gated cation channel; involved in sensory transduction [RGD, Feb 2006]