

Product datasheet for **MC220221**

Cnga2 (NM_007724) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cnga2 (NM_007724) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Cnga2
Synonyms:	Cn; Cnca; Cncg; Cncg4; CNG2; OCN; OCNC1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC220221 representing NM_007724
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGATGACCGAAAAATCCAACGGTGTGAAGAGCTCTCCAGCTAATAACCATAAACCATCATCTCCTCCTT
 CTATCAAGGCCAATGGCAAAGATGACCACAGGGCAGGTAGCAGACCACAGTCTGTGGCAGCTGATGATGA
 CACTTCTCAGAACTGCAAAGGTTGGCAGAGATGGATACTCCACGCAGGGGAAGGGTGGCTTCCGAAGG
 ATTGTCCGCCTGGTGGGGATCATCAGAGACTGGGCAACAAAAATTTCCGTGAGGAGGAACCAAGACCTG
 ACTCCTTCTAGAGCGTTTCCGTGGCCTGAGCTCCAGACTGTGACAACCCATCAGGGGGATGGCAAAGG
 CGACAAGGACGGCGAGGGAAAGGGCACCAAAAAGAAATTTGAACTGTTTGTGGACCCAGCTGGAGAC
 TGGTATTACCGTTGGTTGTTGTCATTGCCATGCCTGTTCTTTACAACCTGGTGTCTGTTGGTAGCCAGAG
 CCTGCTTCAGTGATCTACAGAGAACTATTTGTGGTATGGCTGGTGGTGGTACTTCTCAGACACTGT
 TTATATTGCAGACCTCATATTCGGCTGCGCACAGGCTTCTAGAACAAAGGGCTCCTGGTCAAAGACCC
 AAGAAATTCGAGACAACATATCCACACTTTGCAGTTCAAATGGATGTGGCTTCTATCATCCCCACTG
 ACCTCATTTATTTGCTGTGGGTATCCACAGCCCTGAGGTACGCTTTAATCGTCTGTTACACTTTGCCCG
 TATGTTTGAGTCTTTGACCGCACTGAGACACGTACAAGTACCCCAACATCTTCCGAATCAGCAACCTG
 GTCCTCTACATCTTGGTCATCATCCACTGGAAATGCTTGTATTTACTATGCTATCTCTAAGTCCATTGGCT
 TTGGGGTTGACACCTGGGTTTACCCCAACATTACTGACCTGAATATGGTACCTGGCTAGGGAGTACAT
 TTAAGTCTTTACTGGTCCACTGACCCTCACCACATTGGAGAGACACCACCCCTGTAAAGGATGAG
 GAGTACCTATTTGTCATCTTTGACTTCTGATTGGTGTCTCATCTTTGCCACTATTGTGGGAAATGTGG
 GCTCCATGATCTCCAACATGAATGCCACACGAGCAGAGTTCAGGCCAAGATTGATGCTGTCAAACACTA
 CATGCAGTTCCGAAAGGTCAGTAAAGACATGGAAGCCAAGGTCATCAAATGGTTTGACTACTTGTGGACC
 AATAAGAAGACAGTAGATGAACGAGAAGTCTTAAAGAACCTGCCTGCAAAGCTTAGGGCAGAGATAGCCA
 TTAATGTTCAATTTGCTCACTCTGAAGAAAGTGCATATTCAGGATTGTGAAGCTGGCCTGCTGGTGGAA
 ACTGGTACTGAAGCTTCTCCTCAGGTCTTTAGTCTGGAGATTATTTGCCGTAAGGGGGACATTGGC
 AAGGAAATGTACATCATCAAGGAGGGCAAATTGGCAGTGGTAGCTGATGATGGTGTGACTCAGTATGCCT
 TGCTGTCAGCTGGGAGCTGCTTTGGTGAAGATTAGTATCCTAACATTAAGGGTAGCAAAATGGGCAATCG
 GCGCACTGCCAATATCCGTAGTCTGGGCTACTCAGATCTTTCTGCTTGTCCAAGGATGATCTTATGGAA
 GCTGTGACTGAGTATCCTGATGCCAAGAAAGTCTGGAAGAACGGGGTAGGGAGATCCTGATGAAGGAAG
 GTCTACTGGATGAGAATGAAGTGGCAGCTAGTATGGAGGTAGATGTTCAGGAGAAGCTGGAGCAGCTGGA
 GACAAACATGGAGACCTGTACACTCGTTTTGCCCGCCTGCTGGCTGAGTACACTGGAGCCAGCAGAAG
 CTCAAACAGCGCATCACAGTGTGGAGACCAAGATGAAACAGAACCATGAGGATGATTACCTATCAGATG
 GGATAAACACCCCTGAGCCAGCTGTTGCTGAATAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-MluI

ACCN: NM_007724

Insert Size: 1995 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_007724.3](#), [NP_031750.2](#)

RefSeq Size: 3099 bp

RefSeq ORF: 1995 bp

Locus ID: 12789

UniProt ID: [Q62398](#)

Cytogenetics: X A7.3

Gene Summary: This gene encodes a transmembrane protein that is a subunit of the nucleotide-gated olfactory ion channel. Knock out of this gene affects development of the olfactory epithelium and olfactory bulb. [provided by RefSeq, May 2015]