

Product datasheet for **SC302886**

CNGA4 (NM_001037329) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CNGA4 (NM_001037329) Human Untagged Clone
Tag:	Tag Free
Symbol:	CNGA4
Synonyms:	CNCA2; CNG-4; CNG4; CNG5; CNGB2; OCNC2; OCNCb; OCNCBETA
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

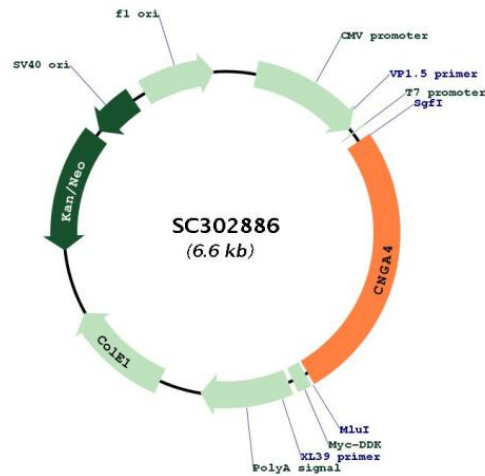


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Fully Sequenced ORF: >SC302886 representing NM_001037329.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGCATCGCC
ATGAGCCAGGACACCAAGTGAAGACAACAGAGTCCAGTCCCCAGCCCCATCCAAGGCCAGGAAGTTG
CTGCCTGTCCTGGACCCATCTGGGATTACTACTACTGGTGGCTGAACACAATGGTCTTCCCAGTCATG
TATAACCTCATCATCCTCGTGTGCAGAGCCTGCTTCCCGACTTGCAGCACGGTTATCTGGTGGCCTGG
TTGGTGTGACTACACGAGTGACCTGCTATACCTACTAGACATGGTGGTGCCTTCCACACAGGATTC
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TTCTTGGACCTGGCTTCCCTGATGCCACAGATGTGGTCTACGTGCGGCTGGGCCCGCACACCCCACC
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TGCCTATACTTTGCCCTATCCCGGTACCTGGGCTTCGGGCGTGACGCATGGGTGTACCCGGACCCCGG
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GAACGGCTGGAGTGGCAGACTCGAGAGTGGCCAATGCCCGAGGACCTGGCTGAGGCTGATGACGAGGGT
GAGCCTGAGGAGGAACTTCAAAGATGAAGAGGGCAGGGCCAGCCAGGAGGGACCCCAAGTCCAGAG
TGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCCGC
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Restriction Sites: SgfI-MluI

Plasmid Map:


ACCN: NM_001037329

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).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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_001037329.3](#)

RefSeq Size: 1911 bp

RefSeq ORF: 1728 bp

Locus ID: 1262

UniProt ID: [Q8IV77](#)

Cytogenetics: 11p15.4

Protein Families:	Druggable Genome, Ion Channels: Cyclic nucleotide gated, Transmembrane
Protein Pathways:	Olfactory transduction
MW:	66 kDa
Gene Summary:	CNGA4 is a modulatory subunit of vertebrate cyclic nucleotide-gated membrane channels that transduce odorant signals (Munger et al., 2001 [PubMed 11739959]).[supplied by OMIM, Mar 2008]