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Product datasheet for MC220404

Cnga1 (NM_007723) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cnga1 (NM_007723) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Cnga1
Synonyms:	Cncg
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

Fully Sequenced ORF:

>MC220404 representing NM_007723
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGAAGACAAATATTATCAATACGTGGCATTCCTTCGTAAATATTCCCAATGTGATCGTACCAGCCATTG
AAAAGGAAATCCGGCGGATGGAAAATGGAGCGTGCAGCTCCTTTTCTGACGATGACAATGGCTCTCTGTC
TGAAGAATCAGAGAATGAGGACTCTTTCTTTAGAAGCAACTCGTACAAAAGGCGAGGACCATCACAGAGG
GAGCAGCACTTGCCAGGTACTATGGCTCTTTTCAATGTCAACAACAGCAGCAACAAAGACCAAGAGCCAA
AGGAGAAAAAGAAAAAAAAGAAGGAAAAGAAGAGCAAGGCCGATGATAAAAATGAAAATAAAAAGGACCC
AGAGAAGAAAAAGAAGAAGGAAAAGGAAAAAGAGAAGAAAAAGAAGGAGGAGAAAACCAAAGAGAAGAAA
GAAGAGGAGAAGAAAGAAGTCGTGGTTATTGATCCTTCAGGAAACACATACTACAACTGGCTGTTTTGTA
TCACTTTGCCTGTGATGTACAACTGGACGATGATTATTGCAAGAGCATGTTTTGATGAACTCCAGTCTGA
TTACCTAGAATACTGGCTCATTTTTGATTACGTATCAGATGTAGTCTATCTTGCCGATATGTTTGTACGA
ACAAGGACAGGTTACCTGGAACAAGGGCTGCTAGTGAAAGACAGAATGAAACTCATAGAGAAATACAAAG
CAAACCTGCAGTTTAAACTTGATGTTCTGTCAGTGATACCGACCGATCTGCTGTACATCAAGTTTGGGTG
GAACTATCCAGAAATCAGGTTAAACCGGCTGTTAAGGATCTCTCGAATGTTTGAGTTCTTCCAGAGGACG
GAAACAAGGACCAACTACCCAAACATCTTTAGGATTTCGAACCTTGTGATGTACATCGTCATCATCATCC
ACTGGAACGCTTGTGTGTATTATTCCATCTCAAAAGCTATTGGATTTGGGAATGACACATGGGTCTACCC
TGATGTTAATGATCCTGAATTCGGCCGTTTAGCTAGAAAATATGTCTACAGCCTTTATTGGTCTACTTTG
ACTTTGACAACCATTGGTGAAACTCCACCTCCCGTGCTGGATTCTGAGTACATCTTTGTGGTGGTAGACT
TCTTAATTGGAGTTTTAATTTTCGCCACCATTGTCGGTAACATAGGTTCCATGATTTCCAATATGAATGC
AGCCCGGGCAGAATTTCAATCAAGAGTTGATGCTATCAAACAGTACATGAATTTTCGAAATGTAAGCAAA
GATATGGAAAAGAGGGTTATTAAATGGTTTGACTACCTGTGGACCAACAAAAAAACAGTGGATGAGAGAG
AAGTCCTGAGATACCTCCCTGACAAACTAAGGGCAGAAATTGCCATCAACGTTCATCTAGACACGTTAAA
AAAGGTTCGCATCTTTGCTGACTGTGAAGCTGGTCTGTTGGTGGAGTTGGTGTTGAAACTACAACCCCAG
GTGTATAGTCCCGGAGATTACATATGCAAGAAAGGGGACATCGGGCGGGAGATGTACATCATCAAGGAAG
GCAAACTTGCTGTGGTGGCAGATGACGGAATTACACAGTTTGTGGTGTTGAGTGACGGCAGTTACTTTGG
TGAGATCAGCATTCTTAATATCAAAGGCAGCAAGGCTGGCAACCGAAGAACAGCCAACATTAAGAGCATC
GGCTACTCGGACCTGTTCTGCCTCTCCAAAGATGACCTCATGGAAGCTCTTACAGAGTACCCAGATGCCA
AAACTATGCTGGAAGAGAAAGGGAGGCAGATCTTAATGAAAGATGGTCTGCTGGATATAAACATTGCAAA
TATGGGCAGTGACCCTAAAGACCTGGAAGAGAAGGTCACTCGAATGGAGGGGTCAGTGGACCTCCTGCAA
ACGCGATTTGCCCGTATCTTGGCTGAATATGAGTCGATGCAGCAGAAACTCAAGCAAAGATTAACCAAGG
TCGAGAAATTTCTGAAACCGCTTATTGAAACAGAATTTTCAGCTCTGGAGGAACCCGGAGGGGAAAGTGA
GCTCACGGAGTCTCTACAGGACTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_007723

Insert Size: 2055 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_007723.2, NP_031749.2
RefSeq Size:	2750 bp
RefSeq ORF:	2055 bp
Locus ID:	12788
UniProt ID:	P29974
Cytogenetics:	5 38.44 cM
Gene Summary:	Visual signal transduction is mediated by a G-protein coupled cascade using cGMP as second messenger. This protein can be activated by cyclic GMP which leads to an opening of the cation channel and thereby causing a depolarization of rod photoreceptors.[UniProtKB/Swiss-Prot Function]