

Product datasheet for **MR209605**

Cnga3 (NM_009918) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cnga3 (NM_009918) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Cnga3
Synonyms:	CNG3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide
Sequence:

>MR209605 representing NM_009918
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCAAAGTGAACACCCAGTGTTCACAGCCCTCCCGACCCAACCTTCAATAAAGAATGCGGACAGAG
ATCTCGACCACGTAGAGAACGGCCTGGGCAGGGTGTACGCCTCATCATCTCGATTTCGTGCGTGGGCCTC
CAGGCACTTACACGATGAAGACCAGACCTGACTCCTTTTTGGATCGATTTTCATGGATCTGAGCTTAAG
GAAGTCTCCACCCGGAAAGCAATGCCAGCCCAACCCAGGAGAACAAGCCACCGAGCGGAGGGGAAG
GCAGGAAGGAGGAGCCATTGTGGTGGACCCCTCCAGCAACATCTACTACCGCTGGCTGACTGCCATCGC
GCTCCAGTCTTCTATACTGGTGTCTACTTGTATGCAGGGCCTGTTTTGATGAGCTACAATCAGAGCAC
CTGACGCTGTGGTGGTCTTGGACTACTCTGCAGATGCCTTTATGTTTTAGACATGCTGGTTCGAGCCC
GGACAGGTTTCTTGAGCAAGGCCTAATGGTCAGAGATACCAAGAGGCTGTGAAACATTACACAAAGAC
CTTGCACTTCAAGCTGGACATCCTGTCTCTCATCCCCACAGACCTGGCTTATTTAAAGTTGGCGTGAAC
TACCCAGAAGTGAAGTTCAACCGCTCCTGAAGTTCTCTCGGCTCTTTGAATCTTTGACCGCACAGAGA
CAAGGACCAACTACCCCAACGTGTTTCAGGATAGGGAACCTGGTCTTTACACACTCATCATCCACTG
GAATGCCTGCATCTACTTTGCCATTTCCAAGTTCATTGGTTTTGGGACAGACTCCTGGGTCTATCCAAAC
ACCTCCAAGCCGGAGTATGCACGACTCTCCCGAAGTACATTTACAGTCTCTACTGGTCCACCCTGACCC
TGACCACCATGGTGAGACCCCAACCCCGTGAAGATGAAGAGTATCTCTTTGTGGTATCGACTTCTT
GGTGGGTATCCTGATCTTTGCCACCATAGTGGCAACGTAGGCTCCATGATTTCCAACATGAACGCTCCC
CGGGTAGAGTCCAGGCTAAGATCGACTCCGTCAAGCAGTACATGCAGTTCGGAAGGTAACCAAGGACT
TGGAGACTCGGGTTATCCGGTGGTTTGACTATCTGTGGCCAACAGGAAGACGGTGGATGAAAAGGAAGT
GCTCAAAAACCTCCCGACAAGCTGAAGGCTGAGATCGCCATCAACGTGCACCTGGACACGCTGAAGAAG
GTCCGAATCTTCCAGGACTGCGAGGCGGGGCTGCTGGTGGAGCTGGTGTGAAGCTCCGCCCCACTGTGT
TCAGCCCCGGGGACTACATATGCAAAAAGGGGGACATTGGAAGAGAGATGTACATCATCAAGGAGGGCAA
GCTGGCTGTGGTGGCTGATGACGGGGTCAACCCAGTTTGTGGTCTCAGTGACGGCAGTTACTTTGGGGAG
ATTAGCATCTTAAACATTAAGGGGAGCAAGTCTGGGAACCGCAGGACGGCCAACATCAGGAGTATCGGCT
ACTCAGACCTGTTCTGCCTCTCCAAGGATGACCTAATGGAAGCCCTCACCGAGTACCCAGACGCTAAGAG
GGCTCTGGAGAAAAGGGCCGTGAGATTCTGATGAAGGACAACCTAATTGATGAGGACCTAGTCGCGGCC
AGGGTAGATACCAGGGACGTTGAGGAGAAGGTGGAGTACCTGGAGTCGTCCTGGACATCCTGCAGACGA
GGTTTGCCCGACTCCTGGCTGAGTACAGTGCCTCCAGATGAAGCTGAAACAGCGGCTCACTCGGCTGGA
GAGCCAGATGAACAGGAGGTGTTGTGGCTTCTACCTGACAGGGAGAATTCGAGGATGTTCAAAGACT
GAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

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_009918.2](#)

RefSeq Size: 3512 bp

RefSeq ORF: 1896 bp

Locus ID: 12790

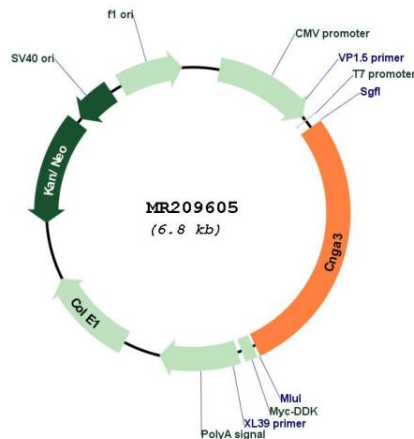
UniProt ID: [Q9JJZ8](#)

Cytogenetics: 1 B

MW: 73.2 kDa

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 cone photoreceptors. Essential for the generation of light-evoked electrical responses in the red-, green- and blue sensitive cones (By similarity). Induced a flickering channel gating, weakened the outward rectification in the presence of extracellular calcium, increased sensitivity for L-cis diltiazem and enhanced the cAMP efficacy of the channel when coexpressed with CNGB3.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR209605