

Product datasheet for MR202065

Guca1b (NM_146079) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Guca1b (NM_146079) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Guca1b
Synonyms: BC018258; GCAP2
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR202065 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGCATCGCC

ATGGGGCAGCAGCTGAGCTGGGAAGAGGCGGAGGCGGCCGGGAGATGGATGTGGCGGAGTTCAGGAGT
 GGTACAAGAAGTTTGTCTGGAGTGTCCAGTGGGACGCTCTTCATGCACGAGTTC AAGCGCTTCTTCAA
 GGTCACGGCAATGAGGAGGCCAGCCAGTATGTAGAGAGCATGTTCCGAGCCTTCGACAAGAATGGGGAC
 AACACCATTGACTTCTGGAGTATGTGGCAGCCCTGAACCTCGTCTGAGGGCAGCCTGGAACACAAGC
 TCAAGTGGACCTCAAGATCTATGACAAGGACCGAAATGGCTGCATCGACCGCTGGAACCTCTGGACAT
 TGTGGAGGCGATTTACAAGCTGAAGAAAGCCTGCCGAGCGGAGCTGGATCTGGAACACCGAGGCCAGCTG
 CTCACGCCGAGGAGGTGGTGGACAGGATCTTCTCTCTGGTGGACGAGAATGGAGACGGCCAGCTGTCTC
 TGACCGAGTTCATCGAGGGCGCCCGTCGCGATAAGTGGGTAATGAAGATGCTACAAATGGATATCAACCC
 AGGCTGCTGGATCACGCAGCAGAGGGCGGAGAAGCGCCATGTTC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR202065 protein sequence
 Red=Cloning site Green=Tags(s)

MGQQLSWEEAEAAGEMDVAELQEWYKFFVVECPSTGLFMHEFKRFFKVTGNEEASQYVESMFRAFDKNGD
 NTIDFLEYVAALNLVLRGSLHKLKWTFKIYDKDRNGCIDRLELLDIVEAIYKLLKACRAELDLEHQGQL
 LTPEEVVDRIFFLLVDENGDGQLSLTEFIEGARRDKWVMKMLQMDINPGCWITQRRRSAMF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV



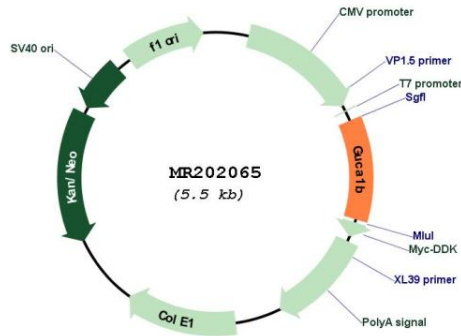
[View online »](#)

Cytogenetics: 17 C

MW: 23.5 kDa

Gene Summary: Stimulates guanylyl cyclase 1 (GC1) and GC2 when free calcium ions concentration is low, and GC1 and GC2 when free calcium ions concentration is elevated. This Ca(2+)-sensitive regulation of GC is a key event in recovery of the dark state of rod photoreceptors following light exposure (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR202065