

Product datasheet for SC208665

GCAP1 (GUCA1A) (NM_000409) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	GCAP1 (GUCA1A) (NM_000409) Human 3' UTR Clone
Symbol:	GCAP1
Synonyms:	GUCA1A; GUCA1ANB-GUCA1A
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_000409
Insert Size:	683 bp
Insert Sequence:	>SC208665 3'UTR clone of NM_000409 The sequence shown below is from the reference sequence of NM_000409. The complete sequence of this clone may contain minor differences, such as SNPs. Blue =Stop Codon Red =Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
GCTGACGAGGCCGCTGAGGCAGCCGGCTGAGTGCACCGCCCGGCTGCTTCTGCACTAGCGGGTGGGGTG
GTATGGTGGTGCCTGTTGGTGGTGTCTTGTCTTAACCCTAGATAGAATCTAATGAACTCAGAGGCTTA
GCTCGCCTCTTTAGGGTCCATGGTGGCAGCAGAGAGGCCAGAAGTGGGAGTCCAGAGCCAGGAACAGTGA
AGGATGGTTCTTGCCCCCTCTGAGTGACAGCTGGTGGCAGCACTCCTTGCTGGGGGGCACTGTTCAACA
TCCTCTGCCGTGGGTGACCCCTAGCCCTTCTGACTCCTCTCCCAGCTTTTCCCAGCTTTCCCCACT
GAGCTTCTCCAGTCCATGCTCTTCTGGACGTGGACTCTCTGAGGCAGAACTGAGCTTTTCCAGGCCCTCT
TATGGAATCCTGCAGATCCAGTGGCTGCAGCTTCAATCCCAGTGTGCAATCACACATCCATTCTGCCC
TGGGGGACCCTGGAGCCTACTTGTGCGCTTTGCATTTCAATGATTGACGCCTCCCTTCAACAAGCATT
ACTGAGCGCCTACTATGTACTAATGCTAGATGTAGATGTACAAAGAAGACAGTTTTATCCTCTAGGA
ACTCATAGGCTAATGGTGGAGACACAGACAAACATCATTATAATAAAAATATGCTAAGAGAA
ACGCGTAAGCGGCCGCGCATCTAGATTCAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
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Restriction Sites:	Sgfl-MluI
OTI Disclaimer:	Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences , e.g., single nucleotide polymorphisms (SNPs).



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Components:	The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.
RefSeq:	<u>NM_000409.5</u>
Summary:	This gene encodes an enzyme that plays a role in the recovery of retinal photoreceptors from photobleaching. This enzyme promotes the activity of retinal guanylyl cyclase-1 (GC1) at low calcium concentrations and inhibits GC1 at high calcium concentrations. Mutations in this gene can cause cone dystrophy 3 and code-rod dystrophy 14. provided by RefSeq, Jul 2020]
Locus ID:	2978
MW:	25.3