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Product datasheet for SC206081

CNG1 (CNGA1) (NM_000087) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	CNG1 (CNGA1) (NM_000087) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	CNGA1
Synonyms:	CNCG; CNCG1; CNG-1; CNG1; RCNC1; RCNCa; RCNCalpha; RP49
ACCN:	NM_000087
Insert Size:	474 bp
Insert Sequence:	>SC206081 3'UTR clone of NM_000087 The sequence shown below is from the reference sequence of NM_000087. The complete sequence of this clone may contain minor differences, such as SNPs. Blue=Stop Codon Red=Cloning site GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAGGCCAAGAAGGGCGGAAAGATCGCCGTG TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC GCGGAAAGTGGGCCCATCGACTCTACATAGAACCGAAAAGCTGGTCATTAACAGGGACATGCCTCATGA TCCTTTTGATCCTATGACTGACATCAACTAAAATTTAAAAGAAGAGGAAGACTCAGTTGGGAAATTTTT CCATGAGGAAAATGTGCTTTGGTGCAAGGTACAAGGCCCACACCCTCTCTGAGAGATACTATGATTAAA AAAGCTTTATATCTTGGGATTTTTCACAACTGATAATGTGCAAAGATATAAACTGATTAACTTGTCAGT GTCTGTATTTTCTGATTTTTTCACATACGCTCATTTTATGTAATATTCTTCATAAAAATGAATAAGTAG CCCTCACTTTCATGCCATTTCCATTGTTGAGTGAAGCGTATTTGAAGTAACTGAGAATTACCATGTACA TCATATTTGGGATAACATTTTTAAAAATTAGACTGCAATAAAGTAAAATTAATTATGCAA ACGCGTAAGCGGCCGCGGCATCTAGATTCGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA CGAGATTTCGATTCCACCGCCGCCTTCTATGAAAGG
Restriction Sites:	SgfI-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).
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:	NM_000087.5

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Summary: The protein encoded by this gene is involved in phototransduction. Along with another protein, the encoded protein forms a cGMP-gated cation channel in the plasma membrane, allowing depolarization of rod photoreceptors. This represents the last step in the phototransduction pathway. Defects in this gene are a cause of retinitis pigmentosa autosomal recessive (ARRP) disease. Multiple transcript variants have been found for this gene. [provided by RefSeq, Oct 2019]

Locus ID: 1259

MW: 18.2