

## Product datasheet for **RC206595L4V**

### GCAP1 (GUCA1A) (NM\_000409) Human Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	GCAP1 (GUCA1A) (NM_000409) Human Tagged ORF Clone Lentiviral Particle
Symbol:	GCAP1
Synonyms:	GUCA1A; GUCA1ANB-GUCA1A
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_000409
ORF Size:	603 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC206595).
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. <a href="#">More info</a>
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
RefSeq:	<a href="#">NM_000409.2</a>
RefSeq Size:	1918 bp
RefSeq ORF:	606 bp
Locus ID:	2978
UniProt ID:	<a href="#">P43080</a>
Cytogenetics:	6p21.1
Domains:	EFh
Protein Families:	Druggable Genome



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**Protein Pathways:** Olfactory transduction

**MW:** 22.9 kDa

**Gene 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]