

Product datasheet for **RC216167L4V**

GCAP3 (GUCA1C) (NM_005459) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	GCAP3 (GUCA1C) (NM_005459) Human Tagged ORF Clone Lentiviral Particle
Symbol:	GCAP3
Synonyms:	GCAP3
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_005459
ORF Size:	627 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC216167).
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. More info
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:	NM_005459.2
RefSeq Size:	925 bp
RefSeq ORF:	630 bp
Locus ID:	9626
UniProt ID:	O95843
Cytogenetics:	3q13.13
Protein Pathways:	Olfactory transduction
MW:	23.8 kDa



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Gene Summary:

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