

Product datasheet for **RC220183L3V**

GCAP2 (GUCA1B) (NM_002098) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	GCAP2 (GUCA1B) (NM_002098) Human Tagged ORF Clone Lentiviral Particle
Symbol:	GCAP2
Synonyms:	GCAP 2; GCAP2; GUCA2; RP48
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_002098
ORF Size:	600 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC220183).
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_002098.3
RefSeq Size:	2288 bp
RefSeq ORF:	603 bp
Locus ID:	2979
UniProt ID:	Q9UMX6
Cytogenetics:	6p21.1
Protein Families:	Druggable Genome
Protein Pathways:	Olfactory transduction



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MW: 23.2 kDa

Gene Summary: The protein encoded by this gene is a calcium-binding protein that activates photoreceptor guanylate cyclases. This gene may have arisen due to a gene duplication event since there is a highly similar gene clustered with it on chromosome 6. Mutations in this gene can cause a form of retinitis pigmentosa. [provided by RefSeq, Nov 2009]