

Product datasheet for **MR202081L4V**

Guca1a (NM_008189) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Guca1a (NM_008189) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Guca1a
Synonyms:	GC-A; Gcap1; Guca; Guca1; mGCA; mGCAP1
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_008189
ORF Size:	609 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR202081).
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_008189.2
RefSeq Size:	917 bp
RefSeq ORF:	609 bp
Locus ID:	14913
UniProt ID:	P43081
Cytogenetics:	17 C



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Gene Summary:

This gene encodes a calcium-binding photoreceptor protein. The encoded protein may be involved in modulation of guanylyl cyclase activity, and in turn, the mammalian cone phototransduction cascade. Disruption of this gene results in the retinal degeneration associated with cone dystrophy. [provided by RefSeq, Dec 2015]