

Product datasheet for **MR224986L4V**

Gucy2e (NM_008192) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Gucy2e (NM_008192) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Gucy2e
Synonyms:	GC-E; GC1; ROS-GC1
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_008192
ORF Size:	3324 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR224986).
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_008192.3 , NP_032218.2
RefSeq Size:	8331 bp
RefSeq ORF:	3327 bp
Locus ID:	14919
UniProt ID:	P52785
Cytogenetics:	11 42.51 cM



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Gene Summary:

Catalyzes the synthesis of cyclic GMP (cGMP) in rods and cones of photoreceptors. Plays an essential role in phototransduction, by mediating cGMP replenishment (PubMed:21598940). May also participate in the trafficking of membrane-associated proteins to the photoreceptor outer segment membrane (PubMed:17255100).[UniProtKB/Swiss-Prot Function]