

Product datasheet for **MR225271L4V**

Cnga1 (NM_007723) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Cnga1 (NM_007723) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Cnga1
Synonyms:	Cncg
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_007723
ORF Size:	2052 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR225271).
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_007723.2 , NP_031749.2
RefSeq Size:	2750 bp
RefSeq ORF:	2055 bp
Locus ID:	12788
UniProt ID:	P29974
Cytogenetics:	5 38.44 cM



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Gene Summary:

Visual signal transduction is mediated by a G-protein coupled cascade using cGMP as second messenger. This protein can be activated by cyclic GMP which leads to an opening of the cation channel and thereby causing a depolarization of rod photoreceptors.[UniProtKB/Swiss-Prot Function]