

Product datasheet for **MR205266L4V**

Rho (NM_145383) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Rho (NM_145383) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Rho
Synonyms:	Noerg1; Opn2; Ops; RP4
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_145383
ORF Size:	1047 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR205266).
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_145383.1
RefSeq Size:	3249 bp
RefSeq ORF:	1047 bp
Locus ID:	212541
UniProt ID:	P15409
Cytogenetics:	6 53.72 cM



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Gene Summary:

Photoreceptor required for image-forming vision at low light intensity. Required for photoreceptor cell viability after birth (PubMed:9020854). Light-induced isomerization of 11-cis to all-trans retinal triggers a conformational change that activates signaling via G-proteins. Subsequent receptor phosphorylation mediates displacement of the bound G-protein alpha subunit by the arrestin SAG and terminates signaling (PubMed:27353443).[UniProtKB/Swiss-Prot Function]