

Product datasheet for **RC211328L4V**

Rhodopsin (RHO) (NM_000539) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Rhodopsin (RHO) (NM_000539) Human Tagged ORF Clone Lentiviral Particle
Symbol:	Rhodopsin
Synonyms:	CSNBAD1; OPN2; RP4
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_000539
ORF Size:	1044 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC211328).
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_000539.2
RefSeq Size:	2767 bp
RefSeq ORF:	1047 bp
Locus ID:	6010
UniProt ID:	P08100
Cytogenetics:	3q22.1
Protein Families:	Druggable Genome, Transmembrane
MW:	38.7 kDa



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Gene Summary:

The protein encoded by this gene is found in rod cells in the back of the eye and is essential for vision in low-light conditions. The encoded protein binds to 11-cis retinal and is activated when light hits the retinal molecule. Defects in this gene are a cause of congenital stationary night blindness. [provided by RefSeq, Aug 2017]