

Product datasheet for RC211328L3V

OriGene Technologies, Inc.

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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-Myc-DDK-P2A-Puro (PS100092)

Tag: Myc-DDK

ACCN: NM_000539

ORF Size: 1044 bp

ORF Nucleotide

The ORF insert of this clone is exactly the same as(RC211328).

OTI Disclaimer:

Sequence:

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.

RefSeg: NM 000539.2

 RefSeq Size:
 2767 bp

 RefSeq ORF:
 1047 bp

 Locus ID:
 6010

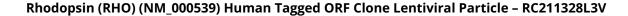
 UniProt ID:
 P08100

Cytogenetics: 3q22.1

Protein Families: Druggable Genome, Transmembrane

MW: 38.7 kDa







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]