

Product datasheet for **RC212513L3V**

Retinal protein 4 (UNC119) (NM_054035) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Retinal protein 4 (UNC119) (NM_054035) Human Tagged ORF Clone Lentiviral Particle
Symbol:	Retinal protein 4
Synonyms:	HRG4; IMD13; POC7; POC7A
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_054035
ORF Size:	660 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC212513).
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_054035.1 , NP_473376.1
RefSeq Size:	1667 bp
RefSeq ORF:	663 bp
Locus ID:	9094
UniProt ID:	Q13432
Cytogenetics:	17q11.2
Protein Families:	Druggable Genome, Stem cell - Pluripotency
MW:	23.9 kDa



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Gene Summary:

This gene is specifically expressed in the photoreceptors in the retina. The encoded product shares strong homology with the *C. elegans* unc119 protein and it can functionally complement the *C. elegans* unc119 mutation. It has been localized to the photoreceptor synapses in the outer plexiform layer of the retina, and suggested to play a role in the mechanism of photoreceptor neurotransmitter release through the synaptic vesicle cycle. Two transcript variants encoding different isoforms have been described for this gene. [provided by RefSeq, Jul 2008]