

Product datasheet for **RC220424L4V**

RPGR (NM_000328) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	RPGR (NM_000328) Human Tagged ORF Clone Lentiviral Particle
Symbol:	RPGR
Synonyms:	COD1; CORDX1; CRD; orf15; PCDX; RP3; RP15; XLRP3
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_000328
ORF Size:	2445 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC220424).
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_000328.2
RefSeq Size:	3082 bp
RefSeq ORF:	2448 bp
Locus ID:	6103
UniProt ID:	Q92834
Cytogenetics:	Xp11.4
Domains:	RCC1
Protein Families:	Druggable Genome



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MW: 90.1 kDa

Gene Summary: This gene encodes a protein with a series of six RCC1-like domains (RLDs), characteristic of the highly conserved guanine nucleotide exchange factors. The encoded protein is found in the Golgi body and interacts with RPGRIP1. This protein localizes to the outer segment of rod photoreceptors and is essential for their viability. Mutations in this gene have been associated with X-linked retinitis pigmentosa (XLRP). Multiple alternatively spliced transcript variants that encode different isoforms of this gene have been reported, but the full-length nature of only some have been determined. [provided by RefSeq, Dec 2008]