

Product datasheet for RC220424L3

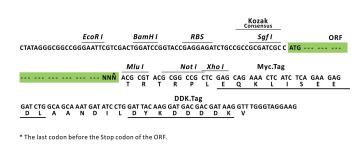
RPGR (NM_000328) Human Tagged Lenti ORF Clone

Product data:

OriGene Technologies, Inc.

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Expression Plasmids
RPGR (NM_000328) Human Tagged Lenti ORF Clone
Myc-DDK
RPGR
COD1; CORDX1; CRD; orf15; PCDX; RP3; RP15; XLRP3
Puromycin
pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Chloramphenicol (34 ug/mL)
The ORF insert of this clone is exactly the same as(RC220424).
Sgfl-Mlul
Cloning sites used for ORF Shuttling: Sgf I ORF Mlu I GCG ATC GC ATG NNN ACG CGT



ACCN: ORF Size: NM_000328 2445 bp



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ORIGENE RPGR	(NM_000328) Human Tagged Lenti ORF Clone – RC220424L3
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. <u>More info</u>
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	 Centrifuge at 5,000xg for 5min. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. Close the tube and incubate for 10 minutes at room temperature. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	<u>NM 000328.2</u>
RefSeq Size:	3082 bp
RefSeq ORF:	2448 bp
Locus ID:	6103
UniProt ID:	<u>Q92834</u>
Cytogenetics:	Xp11.4
Domains:	RCC1
Protein Families:	Druggable Genome
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

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natures of only some have been determined. [provided by RefSeq, Dec 2008]

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