

Product datasheet for RC231481L4

9620 Medical Center Drive, Ste 200 Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com

OriGene Technologies, Inc.

EU: info-de@origene.com CN: techsupport@origene.cn

CRB1 (NM_001193640) Human Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: CRB1 (NM_001193640) Human Tagged Lenti ORF Clone

Tag: mGFP Symbol: CRB1

Synonyms: CRB1-A; CRB1-B; CRB1-C; LCA8; RP12

Mammalian Cell Puromycin

Selection:

Vector: pLenti-C-mGFP-P2A-Puro (PS100093)

E. coli Selection: Chloramphenicol (34 ug/mL)

ORF Nucleotide The ORF insert of this clone is exactly the same as(RC231481).

Sequence:

Restriction Sites: Sgfl-Mlul

Cloning Scheme:





^{*} The last codon before the Stop codon of the ORF

ACCN: NM_001193640

ORF Size: 3882 bp





CRB1 (NM_001193640) Human Tagged Lenti ORF Clone - RC231481L4

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.

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: 1. Centrifuge at 5,000xg for 5min.

2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.

3. Close the tube and incubate for 10 minutes at room temperature.

4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid

at the bottom.

5. 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with

0.22um filter is required.

RefSeq: <u>NM 001193640.1</u>, <u>NP 001180569.1</u>

 RefSeq ORF:
 3885 bp

 Locus ID:
 23418

 UniProt ID:
 P82279

 Cytogenetics:
 1q31.3

Protein Families: Druggable Genome, Transmembrane

MW: 142.5 kDa

Gene Summary: This gene encodes a protein which is similar to the Drosophila crumbs protein and localizes

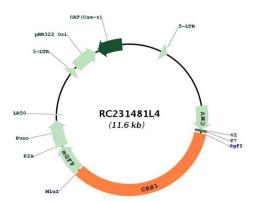
to the inner segment of mammalian photoreceptors. In Drosophila crumbs localizes to the stalk of the fly photoreceptor and may be a component of the molecular scaffold that controls proper development of polarity in the eye. Mutations in this gene are associated with

a severe form of retinitis pigmentosa, RP12, and with Leber congenital amaurosis. Alternate splicing results in multiple transcript variants, some protein coding and some non-protein

coding.[provided by RefSeq, Apr 2012]



Product images:



Circular map for RC231481L4