

Product datasheet for **RC231481L4V**

CRB1 (NM_001193640) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Symbol:	CRB1
Synonyms:	CRB1-A; CRB1-B; CRB1-C; LCA8; RP12
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_001193640
ORF Size:	3882 bp

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

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_001193640.1](#), [NP_001180569.1](#)

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]