

## Product datasheet for **RC211455L4V**

### P protein (OCA2) (NM\_000275) Human Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	P protein (OCA2) (NM_000275) Human Tagged ORF Clone Lentiviral Particle
Symbol:	P protein
Synonyms:	BEY; BEY1; BEY2; BOCA; D15S12; EYCL; EYCL2; EYCL3; HCL3; P; PED; SHEP1
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_000275
ORF Size:	2514 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC211455).
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. <a href="#">More info</a>
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:	<a href="#">NM_000275.1</a>
RefSeq Size:	3136 bp
RefSeq ORF:	2517 bp
Locus ID:	4948
UniProt ID:	<a href="#">Q04671</a>
Cytogenetics:	15q12-q13.1
Protein Families:	Druggable Genome, Transmembrane
MW:	92.7 kDa



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**Gene Summary:**

This gene encodes the human homolog of the mouse p (pink-eyed dilution) gene. The encoded protein is believed to be an integral membrane protein involved in small molecule transport, specifically tyrosine, which is a precursor to melanin synthesis. It is involved in mammalian pigmentation, where it may control skin color variation and act as a determinant of brown or blue eye color. Mutations in this gene result in type 2 oculocutaneous albinism. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jul 2014]