

## Product datasheet for **RC216003L3V**

### COL8A2 (NM\_005202) Human Tagged ORF Clone Lentiviral Particle

#### Product data:

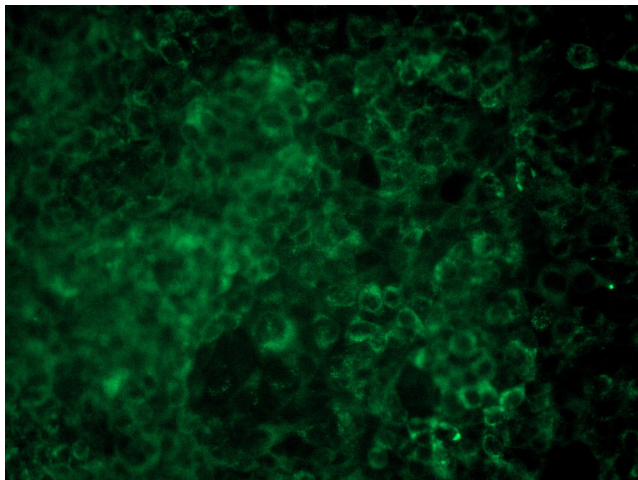
Product Type:	Lentiviral Particles
Product Name:	COL8A2 (NM_005202) Human Tagged ORF Clone Lentiviral Particle
Symbol:	COL8A2
Synonyms:	FECD; FECD1; PPCD; PPCD2
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_005202
ORF Size:	2109 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC216003).
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_005202.1</a>
RefSeq Size:	4443 bp
RefSeq ORF:	2112 bp
Locus ID:	1296
UniProt ID:	<a href="#">P25067</a>
Cytogenetics:	1p34.3
Protein Families:	Druggable Genome
MW:	67.24 kDa



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**Gene Summary:**

This gene encodes the alpha 2 chain of type VIII collagen. This protein is a major component of the basement membrane of the corneal endothelium and forms homo- or heterotrimers with alpha 1 (VIII) type collagens. Defects in this gene are associated with Fuchs endothelial corneal dystrophy and posterior polymorphous corneal dystrophy type 2. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jun 2014]

**Product images:**

[RC216003L3] was used to prepare Lentiviral particles using [TR30037] packaging kit. HEK293T cells were transduced with RC216003L3V particle to overexpress human COL8A2-Myc-DDK fusion protein.