

## Product datasheet for **RC213469L2V**

### **GJA8 (NM\_005267) Human Tagged ORF Clone Lentiviral Particle**

#### **Product data:**

Product Type:	Lentiviral Particles
Product Name:	GJA8 (NM_005267) Human Tagged ORF Clone Lentiviral Particle
Symbol:	GJA8
Synonyms:	CAE; CAE1; CTRCT1; CX50; CZP1; MP70
Mammalian Cell Selection:	None
Vector:	pLenti-C-mGFP (PS100071)
Tag:	mGFP
ACCN:	NM_005267
ORF Size:	1299 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC213469).
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_005267.3</a>
RefSeq Size:	1374 bp
RefSeq ORF:	1302 bp
Locus ID:	2703
UniProt ID:	<a href="#">P48165</a>
Cytogenetics:	1q21.2
Protein Families:	Druggable Genome, Ion Channels: Other, Transmembrane
MW:	48 kDa



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**Gene Summary:**

This gene encodes a transmembrane connexin protein that is necessary for lens growth and maturation of lens fiber cells. The encoded protein is a component of gap junction channels and functions in a calcium and pH-dependent manner. Mutations in this gene have been associated with zonular pulverulent cataracts, nuclear progressive cataracts, and cataract-microcornea syndrome. [provided by RefSeq, Dec 2009]