

## Product datasheet for **RC211786L4V**

### **GJB1 (NM\_001097642) Human Tagged ORF Clone Lentiviral Particle**

#### **Product data:**

Product Type:	Lentiviral Particles
Product Name:	GJB1 (NM_001097642) Human Tagged ORF Clone Lentiviral Particle
Symbol:	GJB1
Synonyms:	CMTX; CMTX1; CX32
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_001097642
ORF Size:	849 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC211786).
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_001097642.1</a> , <a href="#">NP_001091111.1</a>
RefSeq Size:	1596 bp
RefSeq ORF:	852 bp
Locus ID:	2705
UniProt ID:	<a href="#">P08034</a>
Cytogenetics:	Xq13.1
Protein Families:	Druggable Genome, Ion Channels: Other, Transmembrane
MW:	31.8 kDa



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**Gene Summary:**

This gene encodes a member of the gap junction protein family. The gap junction proteins are membrane-spanning proteins that assemble to form gap junction channels that facilitate the transfer of ions and small molecules between cells. According to sequence similarities at the nucleotide and amino acid levels, the gap junction proteins are divided into two categories, alpha and beta. Mutations in this gene cause X-linked Charcot-Marie-Tooth disease, an inherited peripheral neuropathy. Alternatively spliced transcript variants encoding the same protein have been found for this gene. [provided by RefSeq, Oct 2008]