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Product datasheet for RC225347L4V

GJB6 (NM_001110219) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	GJB6 (NM_001110219) Human Tagged ORF Clone Lentiviral Particle
Symbol:	GJB6
Synonyms:	CX30; DFNA3; DFNA3B; DFNB1B; ECTD2; ED2; EDH; HED; HED2
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_001110219
ORF Size:	783 bp
ORF Nucleotide Sequence:	`The ORF insert of this clone is exactly the same as(RC225347).`
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_001110219.2
RefSeq Size:	2178 bp
RefSeq ORF:	786 bp
Locus ID:	10804
UniProt ID:	O95452
Cytogenetics:	13q12.11
Protein Families:	Druggable Genome, Transmembrane
MW:	30.4 kDa

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Gene Summary: Gap junctions allow the transport of ions and metabolites between the cytoplasm of adjacent cells. They are formed by two hemichannels, made up of six connexin proteins assembled in groups. Each connexin protein has four transmembrane segments, two extracellular loops, a cytoplasmic loop formed between the two inner transmembrane segments, and the N- and C-terminus both being in the cytoplasm. The specificity of the gap junction is determined by which connexin proteins comprise the hemichannel. In the past, connexin protein names were based on their molecular weight, however the new nomenclature uses sequential numbers based on which form (alpha or beta) of the gap junction is present. This gene encodes one of the connexin proteins. Mutations in this gene have been found in some forms of deafness and in some families with hidrotic ectodermal dysplasia. [provided by RefSeq, Jul 2008]