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Product datasheet for RC211343L4V

CLCN1 (NM_000083) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	CLCN1 (NM_000083) Human Tagged ORF Clone Lentiviral Particle
Symbol:	CLCN1
Synonyms:	CLC1
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_000083
ORF Size:	2964 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC211343).
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_000083.2
RefSeq Size:	3093 bp
RefSeq ORF:	2967 bp
Locus ID:	1180
UniProt ID:	P35523
Cytogenetics:	7q34
Protein Families:	Druggable Genome, Ion Channels: Other, Transmembrane
MW:	108.6 kDa

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Gene Summary: The CLCN family of voltage-dependent chloride channel genes comprises nine members (CLCN1-7, Ka and Kb) which demonstrate quite diverse functional characteristics while sharing significant sequence homology. The protein encoded by this gene regulates the electric excitability of the skeletal muscle membrane. Mutations in this gene cause two forms of inherited human muscle disorders: recessive generalized myotonia congenita (Becker) and dominant myotonia (Thomsen). Alternative splicing results in multiple transcript variants. [provided by RefSeq, Mar 2012]