Product datasheet for RC201974L2V

Carbonic Anhydrase II (CA2) (NM_000067) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Carbonic Anhydrase II (CA2) (NM_000067) Human Tagged ORF Clone Lentiviral Particle
Symbol:	Carbonic Anhydrase II
Synonyms:	CA-II; CAC; CAII; Car2; HEL-76; HEL-S-282
Mammalian Cell Selection:	None
Vector:	pLenti-C-mGFP (PS100071)
Tag:	mGFP
ACCN:	NM_000067
ORF Size:	780 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC201974).
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_000067.1
RefSeq Size:	1666 bp
RefSeq ORF:	783 bp
Locus ID:	760
UniProt ID:	P00918
Cytogenetics:	8q21.2
Domains:	carb_anhydrase
Protein Families:	Druggable Genome

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Protein Pathways:	Nitrogen metabolism
MW:	29.2 kDa
Gene Summary:	The protein encoded by this gene is one of several isozymes of carbonic anhydrase, which catalyzes reversible hydration of carbon dioxide. Defects in this enzyme are associated with osteopetrosis and renal tubular acidosis. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jun 2014]