

Product datasheet for **RC222738L4V**

Adenylate cyclase 1 (ADCY1) (NM_021116) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Adenylate cyclase 1 (ADCY1) (NM_021116) Human Tagged ORF Clone Lentiviral Particle
Symbol:	Adenylate cyclase 1
Synonyms:	AC1; DFNB44
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_021116
ORF Size:	3357 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC222738).
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_021116.1
RefSeq Size:	12499 bp
RefSeq ORF:	3360 bp
Locus ID:	107
UniProt ID:	Q08828
Cytogenetics:	7p12.3
Protein Families:	Druggable Genome, Transmembrane



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Protein Pathways:	Calcium signaling pathway, Chemokine signaling pathway, Dilated cardiomyopathy, Gap junction, GnRH signaling pathway, Long-term potentiation, Melanogenesis, Oocyte meiosis, Progesterone-mediated oocyte maturation, Purine metabolism, Vascular smooth muscle contraction
MW:	123.3 kDa
Gene Summary:	This gene encodes a member of the of adenylate cyclase gene family that is primarily expressed in the brain. This protein is regulated by calcium/calmodulin concentration and may be involved in brain development. Alternate splicing results in multiple transcript variants. [provided by RefSeq, Aug 2013]