

## Product datasheet for **RC222444L4V**

### ADCY2 (NM\_020546) Human Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	ADCY2 (NM_020546) Human Tagged ORF Clone Lentiviral Particle
Symbol:	ADCY2
Synonyms:	AC2; HBAC2
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_020546
ORF Size:	3273 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC222444).
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_020546.2</a> , <a href="#">NP_065433.2</a>
RefSeq Size:	6553 bp
RefSeq ORF:	3276 bp
Locus ID:	108
UniProt ID:	<a href="#">Q08462</a>
Cytogenetics:	5p15.31
Domains:	CYcC
Protein Families:	Druggable Genome, Transmembrane



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**Protein Pathways:** Calcium signaling pathway, Chemokine signaling pathway, Dilated cardiomyopathy, Gap junction, GnRH signaling pathway, Melanogenesis, Oocyte meiosis, Progesterone-mediated oocyte maturation, Purine metabolism, Vascular smooth muscle contraction

**MW:** 123.4 kDa

**Gene Summary:** This gene encodes a member of the family of adenylate cyclases, which are membrane-associated enzymes that catalyze the formation of the secondary messenger cyclic adenosine monophosphate (cAMP). This enzyme is insensitive to Ca(2+)/calmodulin, and is stimulated by the G protein beta and gamma subunit complex. [provided by RefSeq, Jul 2008]