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Product datasheet for RC220272L1V

ADCY3 (NM_004036) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	ADCY3 (NM_004036) Human Tagged ORF Clone Lentiviral Particle
Symbol:	ADCY3
Synonyms:	AC-III; AC3; BMIQ19
Mammalian Cell Selection:	None
Vector:	pLenti-C-Myc-DDK (PS100064)
Tag:	Myc-DDK
ACCN:	NM_004036
ORF Size:	3432 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC220272).
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_004036.2
RefSeq Size:	4410 bp
RefSeq ORF:	3435 bp
Locus ID:	109
UniProt ID:	O60266
Cytogenetics:	2p23.3
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, Olfactory transduction, Oocyte meiosis, Progesterone-mediated oocyte maturation, Purine metabolism, Vascular smooth muscle contraction, Vibrio cholerae infection
MW:	129 kDa
Gene Summary:	This gene encodes adenylyl cyclase 3 which is a membrane-associated enzyme and catalyzes the formation of the secondary messenger cyclic adenosine monophosphate (cAMP). This protein appears to be widely expressed in various human tissues and may be involved in a number of physiological and pathophysiological metabolic processes. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Feb 2016]