Product datasheet for MR224967L4V

Adcy3 (NM_138305) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Adcy3 (NM_138305) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Adcy3
Synonyms:	AC3; mKIAA0511
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_138305
ORF Size:	3432 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR224967).
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_138305.3
RefSeq Size:	4348 bp
RefSeq ORF:	3438 bp
Locus ID:	104111
UniProt ID:	Q8VHH7
Cytogenetics:	12 A1.1

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Gene Summary: Catalyzes the formation of the signaling molecule cAMP in response to G-protein signaling (PubMed:9768837, PubMed:11055432, PubMed:25329148). Participates in signaling cascades triggered by odorant receptors via its function in cAMP biosynthesis (PubMed:9768837, PubMed:11055432). Required for the perception of odorants (PubMed:11055432). Required for normal sperm motility and normal male fertility (PubMed:15705663). Plays a role in regulating insulin levels and body fat accumulation in response to a high fat diet (PubMed:25329148).[UniProtKB/Swiss-Prot Function]