

## Product datasheet for RC228860L3V

## OriGene Technologies, Inc.

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## PRKAR1B (NM\_001164759) Human Tagged ORF Clone Lentiviral Particle

**Product data:** 

Product Type: Lentiviral Particles

**Product Name:** PRKAR1B (NM\_001164759) Human Tagged ORF Clone Lentiviral Particle

Symbol: PRKAR1E
Synonyms: PRKAR1

Mammalian Cell

Selection:

Puromycin

**Vector:** pLenti-C-Myc-DDK-P2A-Puro (PS100092)

Tag: Myc-DDK

**ACCN:** NM\_001164759

ORF Size: 1143 bp

**ORF Nucleotide** 

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Sequence:
OTI Disclaimer:

The ORF insert of this clone is exactly the same as(RC228860).

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 001164759.1, NP 001158231.1

 RefSeq Size:
 2423 bp

 RefSeq ORF:
 1146 bp

 Locus ID:
 5575

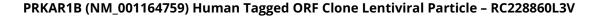
 UniProt ID:
 P31321

 Cytogenetics:
 7p22.3

**Protein Families:** Druggable Genome

**Protein Pathways:** Apoptosis, Insulin signaling pathway





**ORÏGENE** 

MW: 43.1 kDa

**Gene Summary:** The protein encoded by this gene is a regulatory subunit of cyclic AMP-dependent protein

kinase A (PKA), which is involved in the signaling pathway of the second messenger cAMP. Two regulatory and two catalytic subunits form the PKA holoenzyme, disbands after cAMP binding. The holoenzyme is involved in many cellular events, including ion transport, metabolism, and transcription. Several transcript variants encoding the same protein have

been found for this gene. [provided by RefSeq, Aug 2015]