

## Product datasheet for RC210792L1V

## OriGene Technologies, Inc.

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## PKR (EIF2AK2) (NM 002759) Human Tagged ORF Clone Lentiviral Particle

**Product data:** 

**Product Type:** Lentiviral Particles

**Product Name:** PKR (EIF2AK2) (NM\_002759) Human Tagged ORF Clone Lentiviral Particle

Symbol: PKR

Synonyms: EIF2AK1; LEUDEN; PKR; PPP1R83; PRKR

Mammalian Cell

Selection:

None

**Vector:** pLenti-C-Myc-DDK (PS100064)

 Tag:
 Myc-DDK

 ACCN:
 NM\_002759

**ORF Size:** 1653 bp

**ORF Nucleotide** 

The ORF insert of this clone is exactly the same as(RC210792).

OTI Disclaimer:

Sequence:

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.

**RefSeg:** NM 002759.1

 RefSeq Size:
 4361 bp

 RefSeq ORF:
 1656 bp

 Locus ID:
 5610

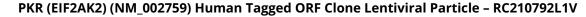
 UniProt ID:
 P19525

 Cytogenetics:
 2p22.2

**Domains:** pkinase, DSRM, TyrKc, S\_TKc

**Protein Families:** Druggable Genome, Protein Kinase, Transcription Factors





**MW:** 62.1 kDa

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**Gene Summary:** The protein encoded by this gene is a serine/threonine protein kinase that is activated by

autophosphorylation after binding to dsRNA. The activated form of the encoded protein can phosphorylate translation initiation factor EIF2S1, which in turn inhibits protein synthesis. This protein is also activated by manganese ions and heparin. Three transcript variants encoding two different isoforms have been found for this gene. [provided by RefSeq, Oct

2011]