

Product datasheet for **RC207551L4V**

PNK (PNKP) (NM_007254) Human Tagged ORF Clone Lentiviral Particle

Product data:

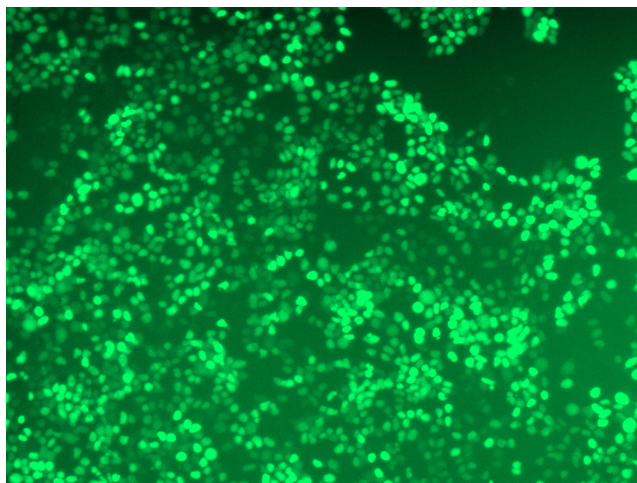
Product Type:	Lentiviral Particles
Product Name:	PNK (PNKP) (NM_007254) Human Tagged ORF Clone Lentiviral Particle
Symbol:	PNK
Synonyms:	AOA4; CMT2B2; EIEE10; MCSZ; PNK
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_007254
ORF Size:	1563 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC207551).
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_007254.2
RefSeq Size:	1721 bp
RefSeq ORF:	1566 bp
Locus ID:	11284
UniProt ID:	Q96T60
Cytogenetics:	19q13.33
Protein Families:	Druggable Genome, Phosphatase
MW:	57.1 kDa



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Gene Summary:

This locus represents a gene involved in DNA repair. In response to ionizing radiation or oxidative damage, the protein encoded by this locus catalyzes 5' phosphorylation and 3' dephosphorylation of nucleic acids. Mutations at this locus have been associated with microcephaly, seizures, and developmental delay.[provided by RefSeq, Sep 2010]

Product images:

[RC207551L4] was used to prepare Lentiviral particles using [TR30037] packaging kit. HEK293T cells were transduced with RC207551L4V particle to overexpress human PNKP-mGFP fusion protein.