

Product datasheet for **RC210501L2V**

mtRNA polymerase (POLRMT) (NM_005035) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	mtRNA polymerase (POLRMT) (NM_005035) Human Tagged ORF Clone Lentiviral Particle
Symbol:	mtRNA polymerase
Synonyms:	APOLMT; h-mtRPOL; MTRNAP; MTRPOL
Mammalian Cell Selection:	None
Vector:	pLenti-C-mGFP (PS100071)
Tag:	mGFP
ACCN:	NM_005035
ORF Size:	3690 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC210501).
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_005035.3
RefSeq Size:	3800 bp
RefSeq ORF:	3693 bp
Locus ID:	5442
UniProt ID:	O00411
Cytogenetics:	19p13.3
Protein Families:	Transcription Factors
MW:	138.5 kDa


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Gene Summary:

This gene encodes a mitochondrial DNA-directed RNA polymerase. The gene product is responsible for mitochondrial gene expression as well as for providing RNA primers for initiation of replication of the mitochondrial genome. Although this polypeptide has the same function as the three nuclear DNA-directed RNA polymerases, it is more closely related to RNA polymerases of phage and mitochondrial polymerases of lower eukaryotes. [provided by RefSeq, Jul 2008]