OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for RC207550L2V

DNA Polymerase iota (POLI) (NM_007195) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	DNA Polymerase iota (POLI) (NM_007195) Human Tagged ORF Clone Lentiviral Particle
Symbol:	DNA Polymerase iota
Synonyms:	eta2; RAD3OB; RAD30B
Mammalian Cell Selection:	None
Vector:	pLenti-C-mGFP (PS100071)
Tag:	mGFP
ACCN:	NM_007195
ORF Size:	2145 bp
ORF Nucleotide Sequence:	`The ORF insert of this clone is exactly the same as(RC207550).`
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_007195.2, NP_009126.1
RefSeq Size:	6074 bp
RefSeq ORF:	2223 bp
Locus ID:	11201
UniProt ID:	Q9UNA4
Cytogenetics:	18q21.2
Domains:	IMS
Protein Families:	Druggable Genome

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MW: 80.3 kDa

Gene Summary: The protein encoded by this gene is an error-prone DNA polymerase involved in DNA repair. The encoded protein promotes DNA synthesis across lesions in the template DNA, which other polymerases cannot do. The encoded polymerase inserts deoxynucleotides across lesions and then relies on DNA polymerase zeta to extend the nascent DNA strand to bypass the lesion. [provided by RefSeq, May 2017]