

Product datasheet for **RC214011L4V**

DNA polymerase alpha (POLA1) (NM_016937) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	DNA polymerase alpha (POLA1) (NM_016937) Human Tagged ORF Clone Lentiviral Particle
Symbol:	POLA1
Synonyms:	NSX; p180; POLA; VEODS
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_016937
ORF Size:	4386 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC214011).
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_016937.1 , NP_058633.1
RefSeq Size:	5433 bp
RefSeq ORF:	4389 bp
Locus ID:	5422
UniProt ID:	P09884
Cytogenetics:	Xp22.11-p21.3
Protein Families:	Druggable Genome
Protein Pathways:	DNA replication, Metabolic pathways, Purine metabolism, Pyrimidine metabolism



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MW: 165.7 kDa

Gene Summary: This gene encodes the catalytic subunit of DNA polymerase, which together with a regulatory and two primase subunits, forms the DNA polymerase alpha complex. The catalytic subunit plays an essential role in the initiation of DNA replication. [provided by RefSeq, Mar 2010]