

Product datasheet for **RC209992L4V**

POLD4 (NM_021173) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	POLD4 (NM_021173) Human Tagged ORF Clone Lentiviral Particle
Symbol:	POLD4
Synonyms:	p12; POLDS
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_021173
ORF Size:	321 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC209992).
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_021173.2 , NP_066996.2
RefSeq Size:	1751 bp
RefSeq ORF:	324 bp
Locus ID:	57804
UniProt ID:	Q9HCU8
Cytogenetics:	11q13.2
Domains:	DNA_pol_delta_4



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Protein Pathways:	Base excision repair, DNA replication, Homologous recombination, Metabolic pathways, Mismatch repair, Nucleotide excision repair, Purine metabolism, Pyrimidine metabolism
MW:	12.4 kDa
Gene Summary:	This gene encodes the smallest subunit of DNA polymerase delta. DNA polymerase delta possesses both polymerase and 3' to 5' exonuclease activity and plays a critical role in DNA replication and repair. The encoded protein enhances the activity of DNA polymerase delta and plays a role in fork repair and stabilization through interactions with the DNA helicase Bloom syndrome protein. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Mar 2012]