Product datasheet for RC222113L4V

POLE2 (NM_002692) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	POLE2 (NM_002692) Human Tagged ORF Clone Lentiviral Particle
Symbol:	POLE2
Synonyms:	DPE2
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_002692
ORF Size:	1581 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC222113).
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_002692.2
RefSeq Size:	1861 bp
RefSeq ORF:	1584 bp
Locus ID:	5427
UniProt ID:	P56282
Cytogenetics:	14q21.3
Domains:	DNA_pol_E_B

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Protein Pathways:	Base excision repair, DNA replication, Metabolic pathways, Nucleotide excision repair, Purine metabolism, Pyrimidine metabolism
MW:	59.5 kDa
Gene Summary:	DNA polymerase epsilon, which is involved in DNA repair and replication, is composed of a large catalytic subunit and a small accessory subunit. The protein encoded by this gene represents the small subunit (B). Defects in this gene have been linked to colorectal cancer and to combined immunodeficiency. [provided by RefSeq, Jan 2017]