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Product datasheet for RC217395L1V

DNA2 (NM_001080449) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	DNA2 (NM_001080449) Human Tagged ORF Clone Lentiviral Particle
Symbol:	DNA2
Synonyms:	DNA2L; hDNA2
Mammalian Cell Selection:	None
Vector:	pLenti-C-Myc-DDK (PS100064)
Tag:	Myc-DDK
ACCN:	NM_001080449
ORF Size:	3438 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC217395).
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_001080449.1, NP_001073918.1
RefSeq Size:	4416 bp
RefSeq ORF:	3183 bp
Locus ID:	1763
UniProt ID:	P51530
Cytogenetics:	10q21.3
Protein Pathways:	DNA replication
MW:	129.5 kDa

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Gene Summary: This gene encodes a member of the DNA2/NAM7 helicase family. The encoded protein is a conserved helicase/nuclease involved in the maintenance of mitochondrial and nuclear DNA stability. Mutations in this gene are associated with autosomal dominant progressive external ophthalmoplegia-6 (PEOA6) and Seckel syndrome 8. Alternatively spliced transcript variants have been found for this gene. [provided by RefSeq, Sep 2014]