

Recombinant Human DNA2 HEK293T cell lysate

Cat. No. DNA2-197HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human DNA2 derived in Human HEK293T cell line.
Species	Human
Source	HEK293
Form	1 vial of 100 g gene specific transient over-expression cell lysate in RIPA buffer 1 vial of 100 g empty vector transfected control cell lysate in RIPA buffer
Molecular Mass	129.5 kDa
Storage	The lysate is shipped with dry ice. Upon receiving, store the sample at -20 centigrade. Lysate samples are stable for 12 months from date of receipt when stored at -20 centigrade. Avoid repeated freeze-thaw cycles. Lysate samples can be diluted with 2xSDS Sample Buffer provided. After dilution, the protein sample should be aliquoted and stored at -20 centigrade for long term storage. Prior to SDS-PAGE fractionation, boil the lysate for 5 minutes.

GENE INFORMATION

Gene Name	DNA2 DNA replication helicase 2 homolog (yeast) [Homo sapiens]
Official Symbol	DNA2
Synonyms	DNA2; DNA replication helicase 2 homolog (yeast); DNA2 DNA replication helicase 2

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	like (yeast) , DNA2L; DNA2-like helicase; KIAA0083; DNA replication ATP-dependent helicase-like homolog; DNA2L; FLJ10063; MGC133297;
Gene ID	1763
mRNA Refseq	NM_001080449
Protein Refseq	NP_001073918
MIM	601810
UniProt ID	P51530
Chromosome Location	10q21.3-q22.1
Pathway	Cell Cycle, organism-specific biosystem; Cell Cycle, Mitotic, organism-specific biosystem; Chromosome Maintenance, organism-specific biosystem; DNA Replication, organism-specific biosystem; DNA replication, organism-specific biosystem; DNA replication, conserved biosystem; DNA strand elongation, organism-specific biosystem;
Function	5-flap endonuclease activity; ATP binding; ATP-dependent DNA helicase activity; ATPase activity; DNA binding; helicase activity; hydrolase activity; nucleotide binding; site-specific endodeoxyribonuclease activity, specific for altered base;