



Human DNA2 peptide (DAG-P0425)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	DNA2 is a conserved helicase/nuclease involved in the maintenance of mitochondrial and nuclear DNA stability (Duxin et al., 2009 [PubMed 19487465]).[supplied by OMIM, Nov 2010]
Conjugate	Unconjugated
Sequence Similarities	Belongs to the DNA2/NAM7 helicase family.
Format	Liquid
Preservative	None
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles. Information available upon request.

GENE INFORMATION

Gene Name	DNA2 DNA replication helicase/nuclease 2 [Homo sapiens (human)]
Official Symbol	DNA2
Synonyms	DNA2; DNA replication helicase/nuclease 2; DNA2L; PEOA6; hDNA2; DNA replication ATP-dependent helicase/nuclease DNA2; DNA2-like helicase; DNA replication helicase 2 homolog; DNA replication ATP-dependent helicase-like homolog;
Entrez Gene ID	1763
mRNA Refseq	NM_001080449.2
Protein Refseq	NP_001073918.2
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; Extension of Telomeres, organism-specific biosystem; Lagging Strand Synthesis, organism-specific biosystem; Processive synthesis on the C-strand of the telomere, organism-spe
Function	4 iron, 4 sulfur cluster binding; 5-3 DNA helicase activity; 5-flap endonuclease activity; ATP binding; ATPase activity; DNA binding; DNA helicase activity; NOT DNA helicase activity; helicase activity; metal ion binding; nuclease activity; protein bindin