



Human POLRMT peptide (DAG-P0953)

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

PRODUCT INFORMATION

Antigen Description	This gene encodes a mitochondrial DNA-directed RNA polymerase. The gene product is responsible for mitochondrial gene expression as well as for providing RNA primers for initiation of replication of the mitochondrial genome. Although this polypeptide has the same function as the three nuclear DNA-directed RNA polymerases, it is more closely related to RNA polymerases of phage and mitochondrial polymerases of lower eukaryotes. [provided by RefSeq, Jul 2008]
Conjugate	Unconjugated
Sequence Similarities	Belongs to the phage and mitochondrial RNA polymerase 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	POLRMT polymerase (RNA) mitochondrial (DNA directed) [Homo sapiens (human)]
Official Symbol	POLRMT
Synonyms	POLRMT; polymerase (RNA) mitochondrial (DNA directed); APOLMT; MTRNAP; MTRPOL; h-mtRPOL; DNA-directed RNA polymerase, mitochondrial;
Entrez Gene ID	5442
mRNA Refseq	NM_005035.3

Protein Refseq	NP_005026.3
UniProt ID	O00411
Chromosome Location	19p13.3
Pathway	Gene Expression, organism-specific biosystem; Mitochondrial Gene Expression, organism-specific biosystem; Mitochondrial transcription initiation, organism-specific biosystem; RNA Polymerase I, RNA Polymerase III, and Mitochondrial Transcription, organism-specific biosystem; Transcription from mitochondrial promoters, organism-specific biosystem;
Function	DNA binding; DNA-directed RNA polymerase activity; DNA-directed RNA polymerase activity; poly(A) RNA binding; protein binding;