

Recombinant Human ENDOG, His-tagged

Cat. No. ENDOG-12448H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human ENDOG protein, fused to His-tag, was expressed in E.coli and purified by Ni-sepharose.
Species	Human
Source	E.coli
ProteinLength	63-297a.a.
Description	The protein encoded by this gene is a nuclear encoded endonuclease that is localized in the mitochondrion. The encoded protein is widely distributed among animals and cleaves DNA at GC tracts. This protein is capable of generating the RNA primers required by DNA polymerase gamma to initiate replication of mitochondrial DNA.
Storage	The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.
Storage Buffer	1M PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH8.) added with 300mM Imidazole and 0.7% Sarcosyl, 15%glycerol.

GENE INFORMATION

Gene Name	ENDOG endonuclease G [Homo sapiens]
Official Symbol	ENDOG

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Synonyms	ENDO G; endonuclease G; endonuclease G, mitochondrial; endo G; mitochondrial endonuclease G; FLJ27463;
Gene ID	2021
mRNA Refseq	NM_004435
Protein Refseq	NP_004426
MIM	600440
UniProt ID	Q14249
Chromosome Location	9q34.1
Pathway	Apoptosis, organism-specific biosystem; Apoptosis, conserved biosystem;
Function	endonuclease activity; hydrolase activity; metal ion binding; nucleic acid binding;

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