

Recombinant Human ENDOG Protein, His-tagged

Cat. No. ENDOG-696H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human ENDOG(Leu16~Lys290) fused with His tag at N-terminal was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Leu16~Lys290
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.
Form	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Molecular Mass	34.2kDa
Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Purity	> 95%
Applications	Positive Control; Immunogen; SDS-PAGE; WB. If bio-activity of the protein is needed, please check active protein

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Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Reconstitution	Reconstitute in PBS or others

GENE INFORMATION

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

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