Recombinant Human ENDOG protein, His & GST-tagged

Cat. No. ENDOG-592H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human ENDOG (Q14249) aa. (Met1~Lys294) fused with His & GST tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Met1~Lys294
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	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 62.3kDa; Accurate Molecular Mass: 62kDa as determined by SDS-PAGE reducing conditions.
Purity	>92%
Characteristic	Isoelectric point is 9.5.
Applications	Cell culture; Activity Assays; In vivo assays.

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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°C 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°C for one month. Aliquot and store at -80°C for 12 months.
Storage buffer	20mM Tris, 150mM NaCl, pH8.0, containing 0.05% sarcosyl and 5% trehalose.
Reconstitution	Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex

GENE INFORMATION

Gene Name	ENDOG endonuclease G [Homo sapiens (human)]
Official Symbol	ENDOG
Synonyms	ENDOG; endonuclease G; endonuclease G, mitochondrial; endo G; mitochondrial endonuclease G
Gene ID	2021
mRNA Refseq	NM_004435.2
Protein Refseq	NP_004426.2
UniProt ID	Q14249

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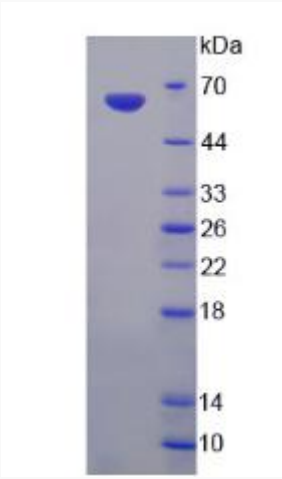
SDS-PAGE	

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