Recombinant Human Endonuclease G, mitochondrial (ENDOG)

Product Code	CSB-EP622760HU-B
Abbreviation	ENDOG
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	Q14249
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	≥85% (SDS-PAGE)
Sequence	AE LPPVPGGPRG PGELAKYGLP GLAQLKSRES YVLCYDPRTR GALWVVEQLR PERLRGDGDR RECDFREDDS VHAYHRATNA DYRGSGFDRG HLAAAANHRW SQKAMDDTFY LSNVAPQVPH LNQNAWNNLE KYSRSLTRSY QNVYVCTGPL FLPRTEADGK SYVKYQVIGK NHVAVPTHFF KVLILEAAGG QIELRTYVMP NAPVDEAIPL ERFLVPIESI ERASGLLFVP NILARAGSLK AITAGSK
Source	E.coli
Target Names	ENDOG
Protein Names	Recommended name: Endonuclease G, mitochondrial Short name= Endo G EC= 3.1.30.-
Expression Region	49-297
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	Full Length of Mature Protein
Target Details	This protein 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.
Reconstitution	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL.We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.
Shelf Life	The shelf life is related to many factors, storage state, buffer ingredients,

storage temperature and the stability of the protein itself.
Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.