

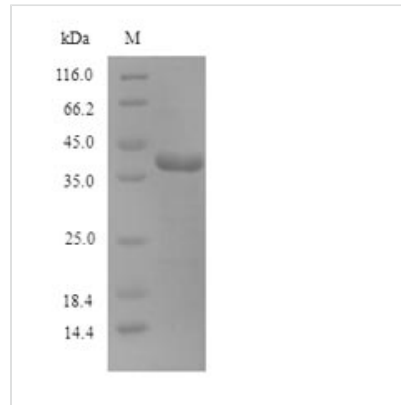


Recombinant Human N-glycosylase/DNA lyase (OGG1)

Product Code	CSB-YP016313HU
Relevance	DNA repair enzyme that incises DNA at 8-oxoG residues. Excises 7,8-dihydro-8-oxoguanine and 2,6-diamino-4-hydroxy-5-N-methylformamidopyrimidine (FAPY) from damaged DNA. Has a beta-lyase activity that nicks DNA 3' to the lesion.
Abbreviation	Recombinant Human OGG1 protein
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.	O15527
Alias	8-oxoguanine DNA glycosylase (EC:3.2.2.-) DNA-(apurinic or apyrimidinic site) lyase (EC:4.2.99.18) Short name: AP lyase
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	≥ 90% as determined by SDS-PAGE.
Sequence	MPARALLPRRMGHRTLASTPALWASIPCPRSELRLDLVLPSSGQSFRWREQSP AHWGVLADQVWTLTQTEEQLHCTVYRGDKSQASRPTPDELEAVRKYFQLD VTLAQLYHHWGSVDSHFQEVAQKFQGVRLLRQDPIECLFSFICSSNNNIARITG MVERLCQAFGPRLIQLDDVTYHGFPSSLQALAGPEVEAHLRKLGLGYRARYVSA SARAILEEQGGLAWLQQLRESSYEEAHKALCILPGVGTKVADCICLMALDKPQ AVPVDVHMWHIAQRDYSWHPTTSQAKGPSPQTNKELGNFFRSLWGPYAGW AQAVLFSADLRQSRHAQEPPAKRRKSGKSGPEG
Research Area	Cancer
Source	Yeast
Target Names	OGG1
Protein Names	Recommended name: N-glycosylase/DNA lyase Including the following 2 domains: 8-oxoguanine DNA glycosylase EC= 3.2.2.- DNA-(apurinic or apyrimidinic site) lyase Short name= AP lyase EC= 4.2.99.18
Expression Region	1-345aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal 6xHis-tagged
Mol. Weight	40.8kDa
Protein Length	Full Length



Image



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

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.