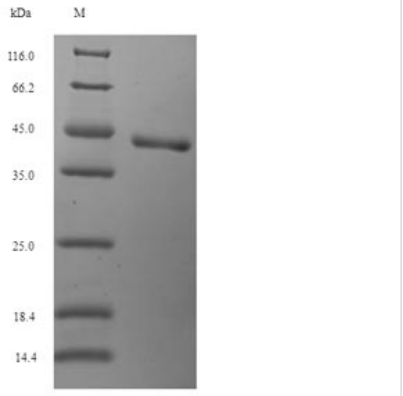
Recombinant Human N-glycosylase/DNA lyase(OGG1)

Product Code	CSB-EP016313HU
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.
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
Storage Buffer	Tris-based buffer,50% glycerol
Alias	Including the following 2 domains: 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
Species	Homo sapiens (Human)
Purity	Greater than 90% as determined by SDS-PAGE.
Sequence	MPARALLPRRMGHRTLASTPALWASIPCPRSELRLDLVLPSGQSFRWREQSP AHWSGVLADQVWTLTQTEEQLHCTVYRGDKSQASRPTPDELEAVRKYFQLD VTLAQLYHHWGSVDSHFQEVAQKFQGVRLLRQDPIECLFSFICSSNNNIARITG MVERLCQAFGPRLIQLDDVTYHGFPSLQALAGPEVEAHLRKLGLGYRARYVSA SARAILEEQGGLAWLQQLRESSYEEAHKALCILPGVGTKVADCICLMALDKPQ AVPVDVHMWHIAQRDYSWHPTTSQAKGPSPQTNKELGNFFRSLWGPYAGW AQAVLFSADLRQSRHAQEPPAKRRKGSKGPEG
Research Area	Cancer
Source	E.coli
Gene Names	OGG1
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	42.8kDa
Protein Description	Full Length
Image	



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