

N-glycosylase/DNA lyase Recombinant Protein | OGG1 recombinant protein

Recombinant Human N-glycosylase/DNA lyase

CATALOG #
AAA115355

HOST
E Coli or Yeast or Baculovirus or Mammalian Cell

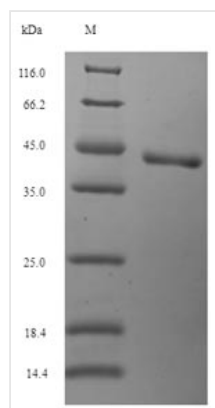
PRODUCT SYNONYMS

N-glycosylase/DNA lyase; Recombinant Human N-glycosylase/DNA lyase; Including the following 2 domains: 8-oxoguanine DNA glycosylase (EC:3.2.2.-); DNA-(apurinic or apyrimidinic site) lyase (EC:4.2.99.18); AP lyase; OGG1 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE.
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Sequence Positions	1-345aa; Full Length
Sequence	MPARALLPRR MGHRTLSTP ALWASIPCPR SELRLDLVLP SGQSFRWREQ SPAHWSGVLA DQVWTLTQTE EQLHCTVYRG DKSQASRPTP DELEAVRKYF QLDVTLAQLY HHWGSVDSHF QEVAQKFQGV RLLRQDPIEC LFSFICSSNN NIARITGMVE RLCQAFGPRL IQLDDVTYHG FPSLQALAGP EVEAHLRKLK LGYRARYVSA SARAILEEQG GLAWLQQLRE SSYEEAHKAL CILPGVGTKV ADCICLMALD KPQAVPVDVH MWHIAQRDYS WHPTTSQAKG PSPQTNKELG NFFRSLWGPY AGWAQAVLFS ADLRQSRHAQ EPPAKRRKGS KGPEG
Sequence Length	345
Species	Homo sapiens (Human)
Preparation and Storage	Store at -20 degree C, for extended storage, conserve at -20 degree C or -80 degree C.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for OGG1 recombinant protein

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.

Product Categories/Family for OGG1 recombinant protein	Cancer
References	"Cloning and characterization of mammalian 8-hydroxyguanine-specific DNA glycosylase/apurinic, apyrimidinic lyase, a functional mutM homologue." Aburatani H., Hippo Y., Ishida T., Takashima R., Matsuba C., Kodama T., Takao M., Yasui A., Yamamoto K., Asano M., Fukasawa K., Yoshinari T., Inoue H., Otsuka E., Nishimura S. Cancer Res. 57:2151-2156(1997)

NCBI AND UNIPROT INFORMATION

NCBI GI #	4505495
NCBI GeneID	4968
NCBI Accession #	NP_002533.1
NCBI GenBank Nucleotide #	NM_002542.5
UniProt Accession #	O15527; O00390; O00670; O00705; O14876; O95488; P78554; Q9BW42; Q9UIK0; Q9UIK1; Q9UIK2; A8K1E3
Molecular Weight	40.8 kDa
NCBI Official Full Name	N-glycosylase/DNA lyase isoform 1a
NCBI Official Synonym Full Names	8-oxoguanine DNA glycosylase
NCBI Official Symbol	OGG1
NCBI Official Synonym Symbols	HMMH; MUTM; OGH1; HOGG1
NCBI Protein Information	N-glycosylase/DNA lyase
UniProt Protein Name	N-glycosylase/DNA lyase
UniProt Gene Name	OGG1
UniProt Synonym Gene Names	MMH; MUTM; OGH1; AP lyase
UniProt Entry Name	OGG1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.