

OGG1 recombinant protein

OGG1, 1-345aa, Human, His tag, E Coli

CATALOG # AAA48583	HOST E Coli	APPLICATIONS SDS-Page
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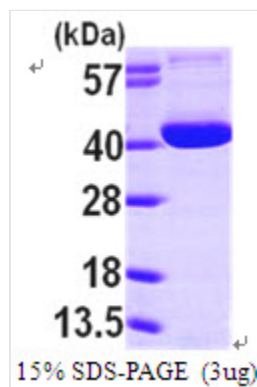
PRODUCT SYNONYMS

OGG1; 1-345aa; Human; His tag; E Coli; 8-oxoguanine DNA glycosylase 1; HMMH; HOGG1; MuTM; OGH1; AP lyase; OGG1 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	> 90% by SDS-PAGE
Form/Format	Liquid. In 20 mM Tris-HCl Buffer (pH 8.0) containing 100 mM NaCl, 40% glycerol
Concentration	0.5 mg/ml (determined by Bradford assay) (varies by lot)
Sequence	MGSSHHHHHH SSGLVPRGSH TGSMPARALL PRRMGHRTLA STPALWASIP CPRSELRLDL VLPSGQSFRW REQSPAHSWG VLADQVWTLT QTEQLHCTV YRGDKSQASR PTPDELEAVR KYFQLDVTLA QLYHHWGSVD SHFQEVAKKF QGVRLLRQDP IECLFSFICS SNNNIARITG MVERLCQAFG PRILQLDDVT YHGFPQLQAL AGPEVEAHLR KLGLGYRARY VSASARAILE EQGGLAWLQQ LRESSYEEAH KALCILPGVG TKVADCICLM ALDKPQAVPV DVHMMWIAQR DYSWHPTTSQ AKGPSPQTNK ELGNFFRSLW GPYAGWAQAV LFSADLRQCR HAQEPPAKRR KGSKGPEG
Sequence Length	345
Applicable Applications for OGG1 recombinant protein	SDS-PAGE
Antigen Species	Human
Tag Information	His-tag
Preparation and Storage	Can be stored at 4 degree C short term (1-2 weeks). For long term storage, aliquot and store at -20 degree C or -70 degree C. Avoid repeated freezing and thawing cycles.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for OGG1 recombinant protein	OGG1, also known as 8-oxoguanine glycosylase, is a DNA glycosylase enzyme involved in base excision repair. This protein is the primary enzyme responsible for the excision of 7,8-dihydro-8-oxoguanine (8-oxoG), a mutagenic base byproduct which occurs as a result of exposure to reactive oxygen species (ROS). It has a beta lyase activity that nicks DNA 3' to the lesion. Recombinant human OGG1 protein, fused to His-tag at N-terminus, was expressed in E Coli and purified by using conventional chromatography.
Product Categories/Family for OGG1 recombinant protein	Enzymes & Proteases
References	Seeberg E., et al. (2002). Nucleic Acids Res. 30 (11):2349-57.; Hodges NJ., et al (2010). DNA Repair (Amst). 9 (2):144-52.;

NCBI AND UNIPROT INFORMATION

NCBI GI #	12653743
NCBI GeneID	4968
Molecular Weight	41.2 kDa (368aa), confirmed by MALDI-TOF
NCBI Official Full Name	8-oxoguanine DNA glycosylase
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

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.

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Online datasheet: <https://stage.aaabiotech.com/ogg1-recombinant-protein-e-coli-sds-page/48583>