

Recombinant Human OGG1 Protein, His-tagged

Cat. No. OGG1-1448H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human OGG1 Protein (NP_058212.1)(1-345 aa), fused with His tag, was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	1-345 aa
Form	The purified protein was Lyophilized from sterile PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH7.). 5 % trehalose and 5 % mannitol are added as protectants before lyophilization.
AA Sequence	MPARALLPRRMGHRTLASTPALWASIPCRSELRLDLVLP SGQSFRWREQSPAHW SGVLADQVWTLTQTTEEQLHCTVYRGDKSQASRPTPDELEAVRK YFQLDVTLAQLYH HWGSVDSHFQEVAQKFQGVRLLRQDPIECLFSFICSSNNNIARITGMVERLCQAFGP RLIQLDDVTYHGFPSLQALAGPEVEAHLRKLGLGYRARYVSASARAILEEQGGLAWL QQLRESSYEEAHKALCILPGVGTKVADCICLMALDKPQAVPVDVHMWHIAQRDYSW HPTTSQAKGPSPQTNKELGNFFRSLWGPYAGWAQAVLFSADLRQCRHAQEPPAKR RKGSKGPEG
Purity	90%, by SDS-PAGE with Coomassie Brilliant Blue staining.
Stability	Store for up to 12 months at -20°C to -80°C as lyophilized powder.

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Storage

Short-term storage: Store at 2-8°C for (1-2 weeks).

Long-term storage: Aliquot and store at -20°C to -80°C for up to 3 months, buffer containing 50% glycerol is recommended for reconstitution. Avoid repeat freeze-thaw cycles.

Reconstitution

Reconstitute at 0.25 g/μL in 200 μL sterile water for short-term storage.

Reconstitution with 200 μL 50% glycerol solution is recommended for longer term storage.

If a different concentration is needed for your purposes please adjust the reconstitution volume as required (please note: the ion concentration of the final solution will vary according to the volume used).

Note: Centrifuge vial before opening. When reconstituting, gently pipet and wash down the sides of the vial to ensure full recovery of the protein into solution.

GENE INFORMATION

Gene Name [OGG1 8-oxoguanine DNA glycosylase \[Homo sapiens \(human\) \]](#)

Official Symbol [OGG1](#)

Synonyms OGG1; 8-oxoguanine DNA glycosylase; HMMH; MUTM; OGH1; HOGG1; N-glycosylase/DNA lyase; 8-hydroxyguanine DNA glycosylase; AP lyase; DNA-apurinic or apyrimidinic site lyase; OGG1 type 1f; EC 4.2.99.18

Gene ID [4968](#)

mRNA Refseq [NM_016819.3](#)

Protein Refseq [NP_058212.1](#)

MIM [601982](#)

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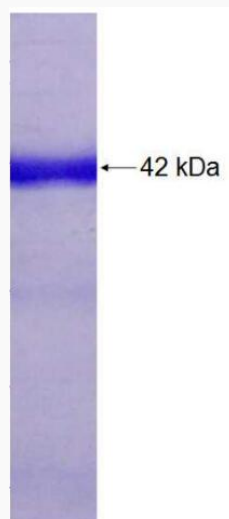
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UniProt ID

O15527

SDS-PAGE

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