

## Recombinant Human OGG1 Protein, His-tagged

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

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human OGG1 Protein (NP_058212.1)(1-345 aa), fused with His tag, was expressed in E. coli.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	1-345 aa
<b>Form</b>	The purified protein was Lyophilized from sterile PBS (58mM Na <sub>2</sub> HPO <sub>4</sub> , 17mM NaH <sub>2</sub> PO <sub>4</sub> , 68mM NaCl, pH7.). 5 % trehalose and 5 % mannitol are added as protectants before lyophilization.
<b>AA Sequence</b>	MPARALLPRRMGHRTLASTPALWASIPCPRSELRLDLVLPSPGQSFRWREQSPAHW SGVLADQVWTLTQTEEQLHCTVYRGDKSQASRPTPDELEAVRKYFQLDVTLAQLYH HWGSVDSHFQEVAQKFQGVRLLRQDPIECLFSFICSSNNNIARITGMVERLCQAFGP RLIQLDDVTYHGFPSLQALAGPEVEAHLRKLGLGYRARYVSASARAILEEQGGLAWL QQLRESSYEEAHKALCILPGVGTKVADCICLMALDKPQAVPVDVHMWHIAQRDYSW HPTTSQAKGPSPQTNKELGNFFRSLWGPYAGWAQAVLFSADLRQCRHAQEPPAKR RKGSKGPEG
<b>Purity</b>	90%, by SDS-PAGE with Coomassie Brilliant Blue staining.
<b>Stability</b>	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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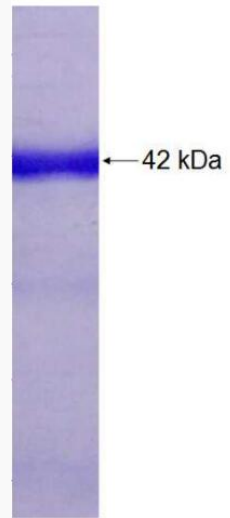
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UniProt ID

O15527

SDS-PAGE



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