

# Recombinant Human OGG1, GST-tagged

**Cat. No.** OGG1-1447H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                   |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human OGG1 protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose.                                                          |
| <b>Species</b>          | Human                                                                                                                                                             |
| <b>Source</b>           | E.coli                                                                                                                                                            |
| <b>ProteinLength</b>    | 1-345aa                                                                                                                                                           |
| <b>Storage</b>          | The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.                                                                         |
| <b>Storage Buffer</b>   | 1M PBS (58mM Na <sub>2</sub> HPO <sub>4</sub> , 17mM NaH <sub>2</sub> PO <sub>4</sub> , 68mM NaCl, pH8. ) added with 100mM GSH and 1% Triton X-100, 15% glycerol. |

## GENE INFORMATION

|                        |                                                                                                                                                                                                                                                                                    |
|------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | OGG1 8-oxoguanine DNA glycosylase [ Homo sapiens ]                                                                                                                                                                                                                                 |
| <b>Official Symbol</b> | OGG1                                                                                                                                                                                                                                                                               |
| <b>Synonyms</b>        | OGG1; 8-oxoguanine DNA glycosylase; N-glycosylase/DNA lyase; 8 hydroxyguanine DNA glycosylase; HMMH; HOGG1; MUTM; OGG1 type 1d; OGG1 type 1e; OGG1 type 1g; OGG1 type 1h; OGH1; AP lyase; OGG1 type 1f; 8-hydroxyguanine DNA glycosylase; DNA-apurinic or apyrimidinic site lyase; |

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

|                            |                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene ID</b>             | 4968                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>mRNA Refseq</b>         | NM_002542                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Protein Refseq</b>      | NP_002533                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>MIM</b>                 | 601982                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>UniProt ID</b>          | O15527                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Chromosome Location</b> | 3p26                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Pathway</b>             | Base Excision Repair, organism-specific biosystem; Base excision repair, organism-specific biosystem; Base excision repair, conserved biosystem; Base-Excision Repair, AP Site Formation, organism-specific biosystem; Base-free sugar-phosphate removal via the single-nucleotide replacement pathway, organism-specific biosystem; Cleavage of the damaged purine, organism-specific biosystem; DNA Repair, organism-specific biosystem; |
| <b>Function</b>            | damaged DNA binding; endonuclease activity; hydrolase activity, acting on glycosyl bonds; lyase activity; oxidized purine base lesion DNA N-glycosylase activity; protein binding;                                                                                                                                                                                                                                                         |

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA