

Recombinant Human OGG1 Protein (1-345 aa), His-tagged

Cat. No. OGG1-1846H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human OGG1 Protein (1-345 aa) is produced by Yeast expression system. This protein is fused with a 6xHis tag at the N-terminal. Research Area: Cancer. Protein Description: Full Length.
Species	Human
Source	Yeast
ProteinLength	1-345 aa
Description	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.
Form	Tris-based buffer, 50% glycerol
Molecular Mass	40.8 kDa
AA Sequence	MPARALLPRRMGHRTLASTPALWASIPCRSELRLDLVLP SGQSFWRREQSPAHW SGVLADQVWTLTQTTEEQLHCTVYRGDKSQASRPTPDELEAVRKYFQLDVTLAQLYH HWGSVD SHFQEVAQKFQGVRLLRQDPIECLFSFICSSNNNIARITGMVERLCQAFGP RLIQLDDVTYHGFPSLQALAGPEVEAHLRKLGLGYRARYVSASARAILEEQGGLAWL QQLRESSYEEAHKALCILPGVGTKVADCICLMALDKPQAVPVDVHMWHIAQRDYSW HPTTSQAKGPSPQTNKELGNFFRSLWGPYAGWAQAVLFSADLRQSRHAQEPPAKR RKGSKGPEG

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

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

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

Purity	> 90% as determined by SDS-PAGE.
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade.
Concentration	A hardcopy of COA with reconstitution instruction is sent along with the products.

GENE INFORMATION

Gene Name	OGG1 8-oxoguanine DNA glycosylase [Homo sapiens]
Official Symbol	OGG1
Synonyms	OGG1; HMMH; HOGG1; MUTM; OGG1 type 1d; OGG1 type 1e; OGG1 type 1g; OGG1 type 1h; OGH1; AP lyase; OGG1 type 1f;
Gene ID	4968
mRNA Refseq	NM_002542
Protein Refseq	NP_002533
MIM	601982
UniProt ID	O15527

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