Recombinant Human OGG1 Protein (Met1-Gly345), C-His tagged, Animal-free, Carrier-free

Cat. No. OGG1-238H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human OGG1 Protein (Met1-Gly345) with C-His tag was expressed in E. coli and Animal-free as well as Carrier-free.
Species	Human
Source	E.coli
ProteinLength	Met1-Gly345
Description	8-oxoguanine DNA glycosylase-1 (OGG1) is a major DNA glycosylase that plays a critical role in n base-excision repair (BER) of oxidative DNA damage to nuclear and mitochondrial DNA (mtDNA) to remove 7,8-dihydro-8-oxo-2′-deoxyguanosine (8-OH-dG). OGG1 is a 38.8 kDa protein containing 52 amino acid it found in bacterial, archaeal and eukaryotic species. OGG1 in DNA causes G:C to T:A transversions and, therefore, it could be responsible for mutations that lead to carcinogenesis.
Form	Lyophilized
Molecular Mass	The protein has a calculated MW of 39.61 kDa. The protein migrates as 40 kDa under reducing condition (SDS-PAGE analysis).
Endotoxin	< 0.1 EU/μg of the protein by the LAL method.
Purity	>98% as determined by SDS-PAGE analysis.

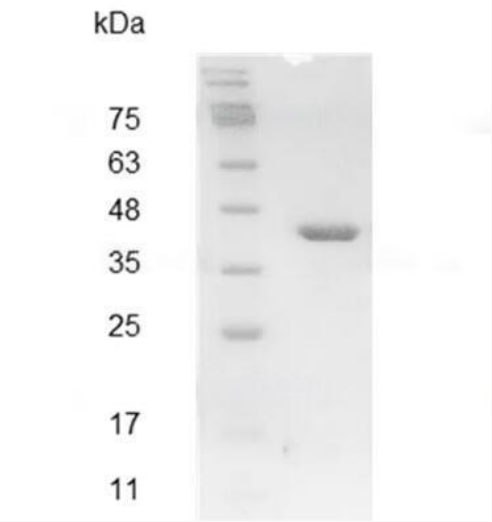
Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

Storage	This product is stable after storage at: -20 centigrade for 12 months in lyophilized state from date of receipt. -20 or -80 centigrade for 1 month under sterile conditions after reconstitution. Avoid repeated freeze/thaw cycles.
Storage Buffer	Lyophilized from a 0.2 μm filtered solution of PBS, pH 7.4.
Reconstitution	It is recommended to reconstitute the lyophilized protein in sterile H2O to a concentration not less than 200 μg/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.
Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at -20 centigrade or lower for long term storage.

GENE INFORMATION

Gene Name	OGG1 8-oxoguanine DNA glycosylase [Homo sapiens (human)]
Official Symbol	OGG1
Synonyms	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;
Gene ID	4968
mRNA Refseq	NM_002542
Protein Refseq	NP_002533

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

MIM	601982
UniProt ID	O15527
SDS-PAGE analysis of recombinant human OGG1.	

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