

RMCH180

Recombinant OGG1 (8-oxoguanine DNA glycosylase), Human

 5ug;20ug;100ug;500ug;

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Synonym/Alternative name(s) : HMMH, MUTM, OGH1, HOGG1**Activity :** N/A**Protein Description:**

OGG1, also known as 8-oxoguanine glycosylase, is the primary enzyme responsible for the excision of 7,8-dihydro-8-oxoguanine (8-oxoG), and is also a mutagenic base byproduct which occurs as a result of exposure to reactive oxygen species (ROS). This protein is a DNA glycosylase enzyme involved in base excision repair. Additionally, OGG1 has a beta lyase activity that nicks DNA 3' to the lesion.

Protein Accession : O15527**Gene ID :** 4968**Expression Sequence:**

MPARALLPRRMGHRTLASTPALWASIPCRSELRLDLVPSGQSFRWREQSPAHWSGVLADQVWTLTQTEQLHCTVYRGDKSQASR
PTPDELEAVRKYFQLDVTLAQLYHHWGSVDSHFQEVAQKFGQVRLLRQDPIECLFSFICSSNNNIARITGMVERLCQAFGPRLIQLDDVT
YHGFPSLQALAGPEVEAHLRKLGLGYRARYVSASARAILEEQGGLAWLQQLRESSYEEAHKALCILPGVGTKVADCICLMALDKPQAVP
VDVHMWHIAQRDYSWHPTTSQAKGSPQTNKELGNFFRSLWGPYAGWAQAVLFSADLRQCRHAQEPPAKRRRKGSKGPEG with
polyhistidine tag at the C-terminus

Fusion tag : His-tag?at?the?C-terminus**Species :** Human**Reactivity :** Human**Expression Host :** Escherichia coli**Source :** E. coli**Purity/method:**

>98% as determined by SDS-PAGE. Ni-NTA chromatography

Endotoxin level:

<0.1 EU per 1 µg of the protein by the LAL method.

Calculated Molecular Weight : 39.61 kDa**Formulation:**

The protein was lyophilized from a solution containing 1X PBS, pH 7.4.

Reconstitution:It is recommended to reconstitute the lyophilized protein in sterile H₂O to a concentration not less than 100 µg/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.**Shipping :** Blue Ice**Stability and Storage:**

Lyophilized protein should be stored at -20°C for 1 year.

Upon reconstitution, store at 2°C to 8°C for up to 1 week. Further dilute in a buffer containing a carrier protein or stabilizer (e.g. 0.1%

BSA, 10%FBS, 5%HSA or 5% trehalose solution), protein aliquots should be stored at -20°C or -80°C for 3-6 months.

Category : Cytokines

Application : Cell culture, Elisa

Image:



SDS- PAGE analysis of recombinant human OGG1