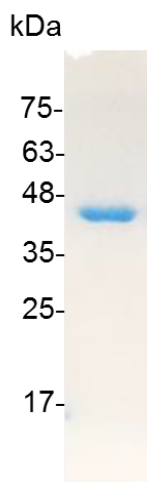


PRODUCT INFORMATION

OGG1 (8-oxoguanine DNA glycosylase), Human

Catalog number	C01147-5UG / C01147-20UG / C01147-100UG
Package	5 µg / 20 µg / 100 µg
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.
Source	<i>Escherichia coli</i>
Sequence	MPARALLPRRMGHRTLASTPALWASIPCRSELRLDLVLPSPGQSFWRREQSPA HWSGVLADQVWTLTQTEEQHCTVYRGDKSQASRPTPDELEAVRKYFQLDVTL AQLYHHWGSVDSHFQEVAQKFQGVRLLRQDPIECLFSFICSSNNNIARITGMVE RLCQAFGPRIQLDDVTYHGFPSLQALAGPEVEAHLRKLGLGYRARYVSASARA ILEEQGLAWLQQLRESSYEEAHKALCILPGVGTKVADCICLMALDKPQAVPVD VHMWHIAQRDYSWHPTTSQAKGSPQTNKELGNFFRSLWGPYAGWAQAVLF SADLRQCRHAQEPPAKRRKSGSKGPEG with polyhistidine tag at the C-terminus
Endotoxin level	<0.1 EU per 1 µg of the protein by the LAL method.
Purity	>98% as determined by SDS-PAGE. Ni-NTA chromatography
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 H ₂ O to a concentration not less than 100 µg/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.
Storage	Lyophilized protein should be stored at -20°C. Upon reconstitution, protein aliquots should be stored at -20°C or -80°C.
Note	Please use within one month after protein reconstitution.



SDS-PAGE analysis of recombinant human OGG1

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