

Product datasheet for TP720109M

OGG1 (NM_002542) Human Recombinant Protein

Product data:

OriGene Technologies, Inc.

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Product Type:	Recombinant Proteins	
Description:	Recombinant protein of human 8-oxoguanine DNA glycosylase (OGG1), nuclear gene encoding mitochondrial protein, transcript variant 1a	
Species:	Human	
Expression Host:	E. coli	
Expression cDNA Clone or AA Sequence:	Met1-Gly345	
Tag:	N-GST	
Predicted MW:	65.1 kDa	
Concentration:	lot specific	
Purity:	>95% as determined by SDS-PAGE and Coomassie blue staining	
Buffer:	Provided lyophilized from a 0.2 μm filtered solution of 20 mM Tris-HCl, 150 mM NaCl	
Endotoxin:	< 0.1 EU per μ g protein as determined by LAL test	
Storage:	Store at -80°C.	
Stability:	Stable for at least 3 months from date of receipt under proper storage and handling conditions.	
RefSeq:	<u>NP 002533</u>	
Locus ID:	4968	
UniProt ID:	<u>O15527, E5KPN1</u>	
Cytogenetics:	3p25.3	
Synonyms:	HMMH; HOGG1; MUTM; OGH1	



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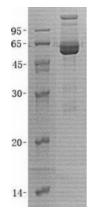
GGG1 (NM_002542) Human Recombinant Protein – TP720109M

Summary:This gene encodes the enzyme responsible for the excision of 8-oxoguanine, a mutagenic
base byproduct which occurs as a result of exposure to reactive oxygen. The action of this
enzyme includes lyase activity for chain cleavage. Alternative splicing of the C-terminal region
of this gene classifies splice variants into two major groups, type 1 and type 2, depending on
the last exon of the sequence. Type 1 alternative splice variants end with exon 7 and type 2
end with exon 8. All variants share the N-terminal region in common, which contains a
mitochondrial targeting signal that is essential for mitochondrial localization. Many
alternative splice variants for this gene have been described, but the full-length nature for
every variant has not been determined. [provided by RefSeq, Aug 2008]

Protein Families:	Druggable Genome

Protein Pathways: Base excision repair

Product images:



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