

Product datasheet for **AR09606PU-N**

OGG1 (1-345, His-tag) Human Protein

Product data:

Product Type:	Recombinant Proteins
Description:	OGG1 (1-345, His-tag) human recombinant protein, 0.1 mg
Species:	Human
Expression Host:	E. coli
Tag:	His-tag
Predicted MW:	41.2 kDa
Concentration:	lot specific
Purity:	>90% by SDS-PAGE
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl Buffer (pH 8.0) containing 100 mM NaCl, 40% Glycerol
Preparation:	Liquid purified protein
Protein Description:	Recombinant human OGG1 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography.
Storage:	Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C or -70°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	NP_001341577
Locus ID:	4968
Cytogenetics:	3p25.3
Synonyms:	HMMH; HOGG1; MUTM; OGH1



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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: