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Product datasheet for AR09606PU-L

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

Product data:

Product Type:	Recombinant Proteins
Description:	OGG1 (1-345, His-tag) human recombinant protein, 0.5 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MGSSHHHHHH SSGLVPRGSH TGSMPARALL PRRMGHRTLA STPALWASIP CPRSELRLDL VLPSGQSFRW REQSPAHWSG VLADQVWTLT QTEEQLHCTV YRGDKSQASR PTPDELEAVR KYFQLDVTLA QLYHHWGSVD SHFQEVAQKF QGVRLLRQDP IECLFSFICS SNNNIARITG MVERLCQAFG PRLIQLDDVT YHGFPSLQAL AGPEVEAHLR KLGLGYRARY VSASARAILE EQGGLAWLQQ LRESSYEEAH KALCILPGVG TKVADCICLM ALDKPQAVPV DVHMWHIAQRDYSWHPTTSQ AKGPSPQTNK ELGNFFRSLW GPYAGWAQAV LFSADLRQCR HAQEPPAKRR KGSKGPEG
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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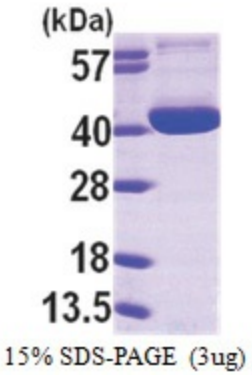
Summary: This gene encodes the enzyme responsible for the excision of 8-oxoguanine, a mutagenic base byproduct which occurs as a result of exposure to reactive oxygen. The action of this enzyme includes lyase activity for chain cleavage. Alternative splicing of the C-terminal region of this gene classifies 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:



15% SDS-PAGE (3ug)