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Datasheet for ABIN667178 OGG1 Protein (AA 1-345) (His tag)

Image



Overview

Quantity:	100 µg
Target:	OGG1
Protein Characteristics:	AA 1-345
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This OGG1 protein is labelled with His tag.
Application:	SDS-PAGE (SDS)

Product Details

Characteristics:	OGG1, 1-345aa, Human, His tag, E.coli
Purity:	> 90 % by SDS - PAGE

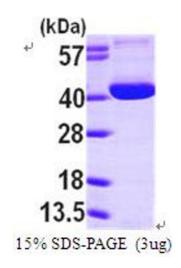
Target Details

Target:	OGG1
Alternative Name:	OGG1 (OGG1 Products)
Background:	OGG1, also known as 8-oxoguanine glycosylase, is a DNA glycosylase enzyme involved in base
	excision repair. This protein is the primary enzyme responsible for the excision of 7,8-dihydro-8-
	oxoguanine (8-oxoG), a mutagenic base byproduct which occurs as a result of exposure to
	reactive oxygen species (ROS). It has a beta lyase activity that nicks DNA 3' to the lesion.
	Recombinant human OGG1 protein, fused to His-tag at N-terminus, was expressed in E.coli and

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Target Details	
	purified by using conventional chromatography. Synonyms: HMMH, HOGG1, MUTM, OGH1, AP lyase, 8-oxoguanine DNA glycosylase 1. NCBI no.: AAH00657
Molecular Weight:	41.2 kDa(368aa), confirmed by MALDI-TOF
Pathways:	DNA Damage Repair
Application Details	
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Concentration:	0.5 mg/ml (determined by Bradford assay)
Buffer:	Liquid. In 20 mM Tris-HCl Buffer (pH 8.0) Containing 100 mM NaCl, 40% Glycerol
Storage:	4 °C

Images



SDS-PAGE

Image 1.

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