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Datasheet for ABIN667332 APEX1 Protein (AA 1-318) (T7 tag)

Image



Overview

Quantity:	50 µg
Target:	APEX1
Protein Characteristics:	AA 1-318
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This APEX1 protein is labelled with T7 tag.
Application:	SDS-PAGE (SDS)

Product Details

Characteristics:	APEX1, 1-318aa, Human, T7 tag, E.coli
Purity:	> 90 % by SDS - PAGE

Target Details

Target:	APEX1
Alternative Name:	APEX1 (APEX1 Products)
Background:	APEX1, also known as REF1 or APE1 (Apurinic / apyrimidinic endonuclease), is responsible for
	the incision of DNA basic sites during base excision repair. It has also been shown to stimulate
	the DNA binding activity of numerous transcription factors that are involved in cancer
	promotion and progression. APEX1 is part of the cellular response to oxidative stress and
	protects cells from the genotoxic and cytotoxic effect of oxidizing agents. Recombinant human

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Target Details	
	APEX1 protein, fused to T7-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques. Synonyms: APEX nuclease (multifunctional DNA repair enzyme) 1, APE, APE1, APEN, APX, HAP1, REF-1, REF1. NCBI no.: AAH19291
Molecular Weight:	36.9 kDa (332aa), confirmed by MALDI-TOF
Pathways:	DNA Damage Repair, Chromatin Binding, Cell RedoxHomeostasis, Smooth Muscle Cell Migration, Positive Regulation of Response to DNA Damage Stimulus
Application Details	
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Concentration:	1 mg/ml (determined by Bradford assay)
Buffer:	Liquid. In 20 mM Tris-HCl buffer (pH8.0) containing 0.2M NaCl, 2mM DTT, 10% glycerol

Images

Storage:

(KDa) 70 40 28 18 13.5 8.5 15% SDS-PAGE (3ug)

4 °C

SDS-PAGE Image 1.

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