

Datasheet for ABIN7583482

APEX1 Protein (AA 2-318) (His tag)



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Overview

Quantity:	100 µg
Target:	APEX1
Protein Characteristics:	AA 2-318
Origin:	Cow
Source:	Yeast
Protein Type:	Recombinant
Purification tag / Conjugate:	This APEX1 protein is labelled with His tag.
Application:	ELISA

Product Details

Sequence:	PKRGKKGAV VEDAECPKTE PEAKKSKAGA KKNEKEAVGE GAVLYEDPPD QKTSPSGKSA TLKICSWNVD GLRAWIKKKG LDWVKEEAPD ILCLQETKCS ENKLPVELQE LSGLSHQYWS APSDKEGYSG VGLLSRQCPL KVSYGIGEEE HDQEGRVIVA EYDAFVLVTA YVPNAGRGLV RLEYRQRWDE AFRKFLKGLA SRKPLVLCGD LNVAHEEIDL RNPKGNNKNA GFTPQERQGF GELLQAVPLT DSRHLYPNT AYAYTFWTYM MNARSKNVGW RLDYFLLSQS VLPALCDSKI RSKALGSDHC PITLYLAL
Specificity:	Bos taurus (Bovine)
Characteristics:	Please inquire if you are interested in this recombinant protein expressed in E. coli, mammalian cells or by baculovirus infection. Be aware about differences in price and lead time.
Purity:	> 90 %

Target Details

Target:	APEX1
Alternative Name:	DNA- (apurinic or apyrimidinic site) lyase (APEX1) (APEX1 Products)
Background:	Recommended name: DNA-(apurinic or apyrimidinic site) lyase. EC= 3.1.-.-. EC= 4.2.99.18. Alternative name(s): APEX nuclease. Short name= APEN Apurinic-apyrimidinic endonuclease 1. Short name= AP endonuclease 1 REF-1 Redox factor-1 Cleaved into the following chain: 1. DNA-(apurinic or apyrimidinic site) lyase, mitochondrial
UniProt:	P23196
Pathways:	DNA Damage Repair , Chromatin Binding , Cell RedoxHomeostasis , Smooth Muscle Cell Migration , Positive Regulation of Response to DNA Damage Stimulus

Application Details

Comment:	The yeast protein expression system is the most economical and efficient eukaryotic system for secretion and intracellular expression. A protein expressed by the mammalian cell system is of very high-quality and close to the natural protein. But the low expression level, the high cost of medium and the culture conditions restrict the promotion of mammalian cell expression systems. The yeast protein expression system serve as a eukaryotic system integrate the advantages of the mammalian cell expression system. A protein expressed by yeast system could be modiflicated such as glycosylation, acylation, phosphorylation and so on to ensure the native protein conformation. It can be used to produce protein material with high added value that is very close to the natural protein. Our proteins produced by yeast expression system has been used as raw materials for downstream preparation of monoclonal antibodies.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Concentration:	0.2-2 mg/mL
Buffer:	Tris-based buffer, 50 % glycerol
Handling Advice:	Repeated freezing and thawing is not recommended. Store working aliquots at 4 °C for up to one week

Handling

Storage:	-20 °C
Storage Comment:	Store at -20 °C, for extended storage, conserve at -20 °C or -80 °C.