

APEX1 Human

Description:APEX1 Human Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 332 amino acids (1-318a.a.) and having a molecular mass of 36.9kDa.APEX1 protein is fused to a 14 amino acid T7-tag at N-terminus and is purified by standard chromatography.

Catalog #:ENPS-066

For research use only.

Synonyms:APEX nuclease (multifunctional DNA repair enzyme) 1, APE, REF1, HAP1, APX, APEN, APEX, Apurinic-aprimidinic endonuclease 1, Protein REF-1, AP endonuclease 1, APEX nuclease (multifunctional DNA repair enzyme), APE-1, deoxyribonuclease (apurinic or apyrimi

Source:Escherichia Coli.

Physical Appearance:Sterile filtered colorless solution.

Amino Acid Sequence:MASMTGGQQM GRGSM PKRGK KGAVAEDGDE LRTEPEAKKS
KTAACKNDKE AAGEGPALYE DPPDQKTPS GKPATLKICS WNV DGLRAWI KKKGLDWVKE
EAPDILCLQE TKCSENK LPA ELQELPGLSH QYWSAPSDKE GYSGVGLLSR QCPLKVSYGI
GEEHDQEGR VIVA E FDSFV LVTAYVPNAG RGLVRLEYRQ RWDEAFRKF L KGLASRKPLV
LCGDLNVAHE EI

Purity:Greater than 90% as determined by SDS-PAGE.

Formulation:

APEX1 Human solution (1mg/ml) containing 20mM Tris-HCl pH-8, 2mM DTT, 0.2M NaCl, and 10% glycerol.

Usage:

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. They may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

Introduction:

APEX1 is in charge of the incision of DNA basic sites during base excision repair. APEX1 also stimulates the DNA binding activity of numerous transcription factors which take part 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.

Storage:

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. Please avoid freeze thaw cycles.

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