

## 32-2156: APEX1 Recombinant Protein

**Alternative Name :** 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 ap

### Description

Source : Escherichia Coli. 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. 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.

### Product Info

**Amount :** 10 µg  
**Purification :** Greater than 90% as determined by SDS-PAGE.  
**Content :** APEX1 Human solution (1mg/ml) containing 20mM Tris-HCl pH-8, 2mM DTT, 0.2M NaCl, and 10% glycerol.  
**Storage condition :** 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.  
**Amino Acid :** MASMTGGQQM GRGSMPCRKRG KGAVAEDGDE LRTEPEAKKS KTAACKNDKE AAGEGPALYE  
DPPDQKTSPS GKPATLKICS WNV DGLRAWI KKKGLDWVKE EAPDILCLQE TKCSENKLPAL ELQELPGLSH  
QYWSAPSDKE GYSGVGLLSR QCPLKVSYGI GEEHDDQEGR VIVA EFD SFV LVTAYVPNAG RGLVRL EYRQ  
RWDEAFRKF L KGLASRKPLV LCGDLNVAHE EIDL RNP KGN KKNAGFTPQE RQGF GELLQA VPLAD SFRHL  
YPNTPYAYTF WTYMMNARSK NVGWRLDYFL LSHSLLPALC DSKIRSKALG SDHCPITLYL AL.