

APEX Nuclease-1 Human Recombinant

Item Number	rAP-1339
Synonyms	APEX nuclease (multifunctional DNA repair enzyme) 1, APE, REF1, HAP1, APX, APEN, APEX, Apurinic-apyrimidinic endonuclease 1, Protein REF-1, AP endonuclease 1, APEX nuclease (multifunctional DNA repair enzyme), APE-1, deoxyribonuclease (apurinic or apyrimid)
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.
Uniprot Accession Number	P27695
Amino Acid Sequence	MASMTGGQQM GRGSMPPKRGK KGAVAEDGDE LRTEPEAKKS KTAACKNDKE AAGEGPALYE DPPDQKTSPS GKPATLKICS WNVDGLRAWI KKKGLDWVKE EAPDILCLQE TKCSENKLPAL EL- QELPGLSH QYWSAPSDKE GYSGVGLLSR QCPLKVS YGI GEEHDEQEGR VIVAEFDSFV LVTAYVPNAG RGLVRLEYRQ RWDEAFRKFL KGLASRKPLV LCGDLNVAHE EIDLRNPKGN KKNAGFTPQE RQGFGE LLQA VPLADSFRLH YPNTPYAYTF WTYMMNARSK NVGWRLDYFL LSHSLLPALC DSKIRSKALG SDHCPITLYL AL.
Source	Escherichia Coli.
Physical Appearance and Stability	Sterile filtered colorless solution. 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.
Formulation and Purity	APEX1 Human solution (1mg/ml) containing 20mM Tris-HCl pH-8, 2mM DTT, 0.2M NaCl, and 10% glycerol. Greater than 90% as determined by SDS-PAGE.
Application	
Solubility	
Biological Activity	
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**