

Recombinant Human APEX1 protein(Pro2-Leu318), His-tagged

Cat. No. APEX1-2497H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human APEX1 (P27695) (Pro2-Leu 318) was expressed in E. coli, with a polyhistidine tag at the N-terminus.
Species	Human
Source	E.coli
ProteinLength	Pro2-Leu318
Form	Lyophilized from sterile PBS, pH 7.8. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Molecular Mass	The recombinant human APEX1 consisting of 328 amino acids and migrates as an approximately 37 kDa band in SDS-PAGE under reducing conditions as predicted.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Purity	> 92 % as determined by SDS-PAGE
Storage	Samples are stable for up to twelve months from date of receipt at -20°C to -80°C. Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

GENE INFORMATION

Gene Name	APEX1 APEX nuclease (multifunctional DNA repair enzyme) 1 [Homo sapiens]
Official Symbol	APEX1
Synonyms	APEX1; APEX nuclease (multifunctional DNA repair enzyme) 1; APEX, APEX nuclease (multifunctional DNA repair enzyme); DNA-(apurinic or apyrimidinic site) lyase; APE; APE 1; APEN; APX; HAP1; REF 1; REF1; AP lyase; protein REF-1; redox factor-1; AP endonuclease class I; apurinic-apyrimidinic endonuclease 1; apurinic/apyrimidinic (abasic) endonuclease; deoxyribonuclease (apurinic or apyrimidinic); APE1; APEX;
Gene ID	328
mRNA Refseq	NM_001244249
Protein Refseq	NP_001231178
MIM	107748
UniProt ID	P27695

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