

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

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

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human APEX1 (P27695) (Pro2-Leu 318) was expressed in E. coli, with a polyhistidine tag at the N-terminus.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	Pro2-Leu318
<b>Form</b>	Lyophilized from sterile PBS, pH 7.8. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
<b>Molecular Mass</b>	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.
<b>Endotoxin</b>	< 1.0 EU per µg of the protein as determined by the LAL method.
<b>Purity</b>	> 92 % as determined by SDS-PAGE
<b>Storage</b>	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.
<b>Reconstitution</b>	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.

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## 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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