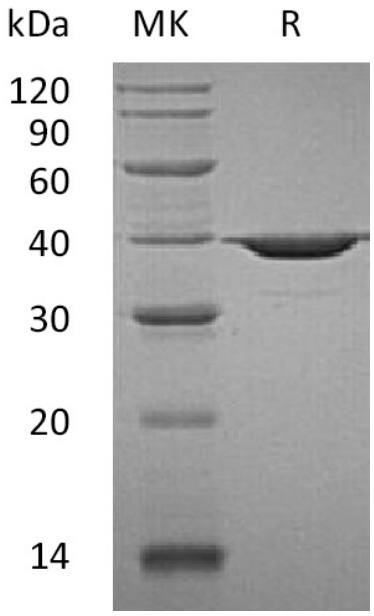
Product Name: Recombinant Human APE
Catalog #: PEH0079

Summary

Name	APE/APE1/APEX
Purity	Greater than 95% as determined by reducing SDS-PAGE
Endotoxin level	<1 EU/μg as determined by LAL test.
Construction	Recombinant Human Apurinic-Apyrimidinic Endonuclease 1 is produced by our E.coli expression system and the target gene encoding Pro2-Leu318 is expressed.
Accession #	AAH02338.1
Host	E.coli
Species	Human
Predicted Molecular Mass	35.62 KDa
Formulation	Supplied as a 0.2 μm filtered solution of 10mM HEPES, 100mM KCl, 50% Glycerol, pH 7.4.
Shipping	The product is shipped on dry ice/polar packs. Upon receipt, store it immediately at the temperature listed below.
Stability&Storage	Store at ≤-70°C, stable for 6 months after receipt. Store at ≤-70°C, stable for 3 months under sterile conditions after opening. Please minimize freeze-thaw cycles.
Reconstitution	

SDS-PAGE image

Product Name: Recombinant Human APE
Catalog #: PEH0079



Alternative Names

DNA-(Apurinic or Apyrimidinic Site) Lyase; APEX Nuclease; APEN; Apurinic-Apyrimidinic Endonuclease 1; AP Endonuclease 1; APE-1REF-1; Redox Factor-1; APEX1; APE; APE1; APEX; APX; HAP1; REF1

Background

Apurinic-Apyrimidinic Endonuclease 1 (APE1) is required for efficient DNA base excision repair. When the DNA glycosylase remove the damaged bases, APE1 cleaves the AP site to allow resynthesis and ligation to complete repair. APE1 stimulates the DNA binding activity of many transcription factors, which participate in cancer promotion and progression. APE1 regulates the redox state of multiple transcription factors, such as c-Jun, c-Fos, NF-kB, p53. APEN is also involved in calcium-dependent down-regulation of PTH expression.

Note

For Research Use Only , Not for Diagnostic Use.