

32-7086: Recombinant Human Apurinic-Apyrimidinic Endonuclease 1/APE

Gene : APEX1
Gene ID : 328
Uniprot ID : P27695

Description

Source: E.coli.
MW :35.62kD.

Recombinant Human Apurinic-Apyrimidinic Endonuclease 1 is produced by our E.coli expression system and the target gene encoding Pro2-Leu318 is expressed. 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.

Product Info

Amount : 10 µg / 50 µg
Content : Supplied as a 0.2 µm filtered solution of 10mM HEPES, 100mM KCl, 50% Glycerol, pH 7.4.
Storage condition : Store at -20°C, stable for 6 months after receipt. Please minimize freeze-thaw cycles.
Amino Acid : MGPKRGKKGAVAEDGDELRTPEAKKSKTAAKKNDKEAAGEGPALYEDPPDQKTSPSGKPATLKICSWNVDG
LRAWIKKKGLDWVKEEAPDILCLQETKCSENKLPALQELPGLSHQYWSAPSDKEGYSGVGLLSRQCPLKVSYG
IGEEHDDQEGRVIVAEFDSFVLVTAYVPNAGRGLVRLEYRQRWDEAFRKLKGLASRKPLVLCGDLNVAHEEID
LRNPKGNKKNAGFTPQERQGFGEELLQAVPLADSFRLYPNTPYAYTFWTYMMNARSKNVGWRLDYFLLSHSL
PALCDSKIRSKALGSDHCPITLYLAL

Application Note

Endotoxin : Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.