

Recombinant Human APEX1 Protein

Catalog #	Source	Reactivity	Applications
CRP1063	E. coli	Human	E, WB, SDS-PAGE, MS
Description	Recombinant Human APEX1 Protein is produced by our E.coli expression system and the target gene encoding Pro2-Leu318 is expressed.		
Form	Liquid in a 0.2 μ M filtered solution of 10mM HEPES, 100mM KCl, 50% Glycerol, pH 7.4.		
Gene Symbol	APEX1		
Alternative Names	APE; APE1; APEX; APX; HAP1; REF1; DNA-(apurinic or apyrimidinic site) lyase; APEX nuclease; APEN; Apurinic-apyrimidinic endonuclease 1; AP endonuclease 1; APE-1; REF-1; Redox factor-1		
Entrez Gene	328 (Human)		
SwissProt	P27695 (Human)		
Purity	Greater than 95% as determined by SEC-HPLC and reducing SDS-PAGE.		
Chemical Structure	MGPKRGKKGA VAEDGDELRT EPEAKKSKTA AKKNDKEAAG EGPALYEDPP DQKTSPSGKP ATLKICSWNV DGLRAWIKKK GLDWVKEEAP DILCLQETKC SENKLPALQ ELPGLSHQYW SAPSDKEGYS GVGLLSRQCP LKVSYGIGEE EHDQEGRVIV AEFDSFVLVT AYVPNAGRGL VRLEYRQRWD EAFRKFLKGL ASRKPLVLCG DLNVAHEEID LRNPKGNKKN AGFTPQERQG FGELLQAVPL ADSFRHLYPN TPYAYTFWTY MMNARSKNVG WRLDYFLLSH SLLPALCDSK IRSKALGSDH CPITLYLAL		
Quality Control	Endotoxin: Less than 0.1 ng/ μ g (1 IEU/ μ g) as determined by LAL test.		
Directions for Use	Always centrifuge tubes before opening. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.		
Storage/Stability	Store it at -20°C to -80°C for one year.		

Application key: E- ELISA, WB- Western blot, IH- Immunohistochemistry, IF- Immunofluorescence, FC- Flow cytometry, IC- Immunocytochemistry, IP- Immunoprecipitation, ChIP- Chromatin Immunoprecipitation, EMSA- Electrophoretic Mobility Shift Assay, BL- Blocking, SE- Sandwich ELISA, CBE- Cell-based ELISA, RNAi- RNA interference

Species reactivity key: H- Human, M- Mouse, R- Rat, B- Bovine, C- Chicken, D- Dog, G- Goat, Mk- Monkey, P- Pig, Rb- Rabbit, S- Sheep, Z- Zebrafish

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