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Data sheet

APE1/Ref-1 Protein, Human, Recombinant (His Tag)

Protein information	
Protein Gene name	APEX1
Other name	APE1, Ref-1, APE1/Ref-1
NCBI Reference Sequence	NM_001641.3
Cat.No	MR-RPAPE-010
Host	<i>E. Coli</i>
Form/ storage solution	Solution (1 mg/ml) containing 10mM Tris-HCl (pH8.0), 50mM NaCl, 1mM DTT, 0.05mM EDTA, 200 µg/ml BSA, 10% glycerol
Concentration	1mg/ml
Protein Form	Full Length, Recombinant
Protein Tag or Fusion	His tag (N-Terminus)
Protein size	39 kDa
Purity	≥ 90% by SDS-PAGE
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles

Product specific information

It is recommended to aliquot this protein

Background/Target Information

Apurinic apyrimidinic endonuclease 1/Redox factor-1 (APE1/Ref-1) is a multifunctional protein; its N-terminal region is involved in redox activity and regulates multiple transcription factors, and its C-terminus is involved in base excision DNA repair activity. APE1/Ref-1 is mainly localized in the nucleus and shows dynamic shuttling between the nucleus and cytoplasm in response to various stress stimuli. Recently, it has a reported the possibility for the extracellular secretion of APE1/Ref-1.

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