UDG Protein, E.coli (His)

Cat. No.:	HY-P78944
Synonyms:	
Species:	E.coli
Source:	E. coli
Accession:	P12295
Gene ID:	947067
Molecular Weight:	Approximately 25.7 kDa

PROPERTIES

AA Sequence	M A N E L T W H D V L A E E K Q Q P Y F L N T L Q T V A S E R Q S G V T I Y P P Q K D V F N A F R F T E L G D V K V V I L G Q D P Y H G P G Q A H G L A F S V R P G I A I P P S L L N M Y K E L E N T I P G F T R P N H G Y L E S W A R Q G V L L L N T V L T V R A G Q A H S H A S L G W E T F T D K V I S L I N Q H R E G V V F L L W G S H A Q K K G A I I D K Q R H H V L K A P H P S P L S A H R G F F G C N H F V L A N Q W L E Q R G E T P I D W M P V L P A E S E
Biological Activity	The enzyme activity of this recombinant protein is testing in progress, we cannot offer a guarantee yet.
Appearance	Solution.
Reconsititution	N/A.
Storage & Stability	Stored at -80°C for 1 year. It is stable at -20°C for 3 months after opening. It is recommended to freeze aliquots at -80°C for extended storage. Avoid repeated freeze-thaw cycles.
Shipping	Shipping with dry ice.

DESCRIPTION

Background	UDG protein functions as an uracil-DNA glycosylase, playing a pivotal role in the repair of DNA by excising uracil residues that may arise from the misincorporation of dUMP residues by DNA polymerase or through the deamination of cytosine. This enzymatic activity is crucial for maintaining genomic integrity by addressing instances of uracil mispairing in DNA, which, if left uncorrected, could lead to mutagenesis and other deleterious consequences. UDG's precision in recognizing and excising uracil residues underscores its significance in the cellular mechanisms dedicated to DNA repair and fidelity.

Caution: Product has not been fully validated for medical applications. For research use only.

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