Recombinant Human NTHL1 protein, MYC/DDK-tagged

Cat. No. NTHL1-20H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human NTHL1 fused with MYC/DDK tag at C-terminal was expressed in HEK293.
Species	Human
Source	HEK293
Description	The protein encoded by this gene is a DNA N-glycosylase of the endonuclease III family. Like a similar protein in E. coli, the encoded protein has DNA glycosylase activity on DNA substrates containing oxidized pyrimidine residues and has apurinic/apyrimidinic lyase activity.
Form	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	34.2 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Notes	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Concentration	>50 ug/mL as determined by microplate BCA method

GENE INFORMATION

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

Gene Name	NTHL1 nth endonuclease III-like 1 (E. coli) [Homo sapiens]
Official Symbol	NTHL1
Synonyms	NTHL1; nth endonuclease III-like 1 (E. coli); nth (E.coli endonuclease III) like 1; endonuclease III-like protein 1; NTH1; OCTS3;
Gene ID	4913
mRNA Refseq	NM_002528
Protein Refseq	NP_002519
MIM	602656
UniProt ID	P78549
Chromosome Location	16p13.3
Pathway	Base Excision Repair, organism-specific biosystem; Base excision repair, organism-specific biosystem; Base excision repair, conserved biosystem; Base-Excision Repair, AP Site Formation, organism-specific biosystem; Base-free sugar-phosphate removal via the single-nucleotide replacement pathway, organism-specific biosystem; Cleavage of the damaged pyrimidine, organism-specific biosystem; DNA Repair, organism-specific biosystem;
Function	4 iron, 4 sulfur cluster binding; DNA N-glycosylase activity; DNA binding; DNA-(apurinic or apyrimidinic site) lyase activity; double-stranded DNA binding; endonuclease activity; hydrolase activity, acting on glycosyl bonds; lyase activity; metal ion binding; protein binding;

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