Recombinant Mouse Nthl1 Protein, Myc/DDK-tagged

Cat. No. Nthl1-4519M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length nth (endonuclease III)-like 1 (E.coli) (Nthl1), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Bifunctional DNA N-glycosylase with associated apurinic/apyrimidinic (AP) lyase function that catalyzes the first step in base excision repair (BER), the primary repair pathway for the repair of oxidative DNA damage. The DNA N-glycosylase activity releases the damaged DNA base from DNA by cleaving the N-glycosidic bond, leaving an AP site. The AP lyase activity cleaves the phosphodiester bond 3' to the AP site by a beta-elimination. Primarily recognizes and repairs oxidative base damage of pyrimidines.
Molecular Mass	33.6 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.
Concentration	>50 μg/mL as determined by microplate BCA method

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Storage Buffer	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name	Nthl1 nth (endonuclease III)-like 1 (E.coli) [Mus musculus (house mouse)]
Official Symbol	Nthl1
Synonyms	NTHL1; nth (endonuclease III)-like 1 (E.coli); endonuclease III-like protein 1; thymine glycol DNA glycosylase/AP lyase; Nth1; Octs3
Gene ID	18207
mRNA Refseq	NM_008743
Protein Refseq	NP_032769
UniProt ID	O35980

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