

Recombinant Mouse Nth1 Protein, Myc/DDK-tagged

Cat. No. Nth11-4519M Lot. No. (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length nth (endonuclease III)-like 1 (E.coli) (Nth1), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Bifunctional DNA N-glycosylase with associated apurinic/aprimidinic (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 Nth1 nth (endonuclease III)-like 1 (E.coli) [Mus musculus (house mouse)]

Official Symbol Nth1

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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