

Recombinant Mouse Neil2 Protein, Myc/DDK-tagged

Cat. No. Neil2-4366M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length nei like 2 (E. coli) (Neil2), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Involved in base excision repair of DNA damaged by oxidation or by mutagenic agents. Has DNA glycosylase activity towards 5-hydroxyuracil and other oxidized derivatives of cytosine with a preference for mismatched double-stranded DNA (DNA bubbles). Has low or no DNA glycosylase activity towards thymine glycol, 2-hydroxyadenine, hypoxanthine and 8-oxoguanine. Has AP (apurinic/aprimidinic) lyase activity and introduces nicks in the DNA strand. Cleaves the DNA backbone by beta-delta elimination to generate a single-strand break at the site of the removed base with both 3'- and 5'-phosphates.
Molecular Mass	36.8 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.

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Concentration >50 µg/mL as determined by microplate BCA method

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

GENE INFORMATION

Gene Name [Neil2 nei like 2 \(E. coli\) \[Mus musculus \(house mouse\) \]](#)

Official Symbol [Neil2](#)

Synonyms NEIL2; nei like 2 (E. coli); endonuclease 8-like 2; nei homolog 2; nei-like protein 2; endonuclease VIII-like 2; DNA glycosylase/AP lyase Neil2; DNA-(apurinic or apyrimidinic site) lyase Neil2; NEH2; Gm1212

Gene ID [382913](#)

mRNA Refseq [NM_201610](#)

Protein Refseq [NP_963904](#)

UniProt ID [Q6R2P8](#)

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