Recombinant Human Nei Endonuclease VIII-like 2 (E. coli)

Cat. No. NEIL2-2042H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human Neil2 was expressed in*E. coli*, 38kDa.
Species	Human
Source	E.coli
Description	Endonuclease VIII-like 2 is an enzyme that in humans is encoded by the NEIL2 gene. NEIL2 belongs to a class of DNA glycosylases homologous to the bacterial Fpg/Nei family. These glycosylases initiate the first step in base excision repair by cleaving bases damaged by reactive oxygen species and introducing a DNA strand break via the associated lyase reaction.
Purity	90% by SDS PAGE and Coomassie blue staining.
Buffer Component	20mM Tris-HCl, pH 7.5, 300mM NaCl, 10% glycerol.
Storage	Stable for 2 years at -70°C from date of shipment. Please aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name	NEIL2 nei endonuclease VIII-like 2 (E. coli) [Homo sapiens]
Synonyms	nei endonuclease VIII-like 2 (E. coli); NEH2; NEI2; MGC2832; MGC4505; FLJ31644; NEIL2; nei like 2; nei like 2 (E. coli); Nei-like 2; DNA-(apurinic or apyrimidinic site)

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

	lyase Neil2; DNA glycosylase/AP lyase Neil2;EC 3.2.2.-,EC 4.2.99.18
Gene ID	252969
mRNA Refseq	NM_001135746
Protein Refseq	NP_001129218
MIM	608933
UniProt ID	Q969S2
Chromosome Location	8p23.1
Pathway	Base excision repair
Function	hydrolase activity, hydrolyzing N-glycosyl compounds; DNA-(apurinic or apyrimidinic site) lyase activity; damaged DNA binding; lyase activity; metal ion binding; microtubule binding; zinc ion binding

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