

Recombinant Human NEIL1 293 Cell Lysate

Cat. No. NEIL1-3882HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for nei endonuclease VIII-like 1 (E. coli) (NEIL1) is a lysate prepared from HEK293T cells transiently transfected with a TrueORF gene-carrying pCMV plasmid and then lysed in RIPA Buffer. Protein concentration was determined using a colorimetric assay. The antigen control carries a C-terminal Myc/DDK tag for detection.
Components	This product includes 3 vials: 1 vial of gene-specific cell lysate, 1 vial of control vector cell lysate, and 1 vial of loading buffer. Each lysate vial contains 0.1 mg lysate in 0.1 ml (1 mg/ml) of RIPA Buffer (50 mM Tris-HCl pH7.5, 250 mM NaCl, 5 mM EDTA, 50 mM NaF, 1% NP40). The loading buffer vial contains 0.5 ml 2X SDS Loading Buffer (125 mM Tris-Cl, pH6.8, 10% glycerol, 4% SDS, 0.002% Bromophenol blue, 5% beta-mercaptoethanol).
Size	0.1 mg
Storage Instruction	Store at -80°C. Minimize freeze-thaw cycles. After addition of 2X SDS Loading Buffer, the lysates can be stored at -20°C. Product is guaranteed 6 months from the date of shipment.

 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

Applications

ELISA, WB, IP. WB: Mix equal volume of lysates with 2X SDS Loading Buffer. Boil the mixture for 10 min before loading (for membrane protein lysates, incubate the mixture at room temperature for 30 min). Load 5 ug lysate per lane.

GENE INFORMATION
Gene Name

NEIL1 nei endonuclease VIII-like 1 (E. coli) [Homo sapiens]

Official Symbol

NEIL1

Synonyms

NEIL1; nei endonuclease VIII-like 1 (E. coli); endonuclease 8-like 1; FLJ22402; FPG1; hFPG1; NEI1; NEH1; nei homolog 1; endonuclease VIII; nei-like protein 1; endonuclease VIII-like 1; DNA glycosylase/AP lyase Neil1; DNA-(apurinic or apyrimidinic site) lyase Neil1;

Gene ID

79661

mRNA Refseq

NM_001256552

Protein Refseq

NP_001243481

MIM

608844

UniProt ID

Q96FI4

Chromosome Location

15q33.33

Pathway

Base excision repair, organism-specific biosystem; Base excision repair, conserved biosystem;

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Function

DNA N-glycosylase activity; DNA-(apurinic or apyrimidinic site) lyase activity; damaged DNA binding; hydrolase activity, acting on glycosyl bonds; lyase activity; protein C-terminus binding; zinc ion binding;

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