Recombinant Human NEIL3 293 Cell Lysate

Cat. No. NEIL3-3880HCL **Lot. No.** (See product label)

SPECIFICATION

Species	Human
Source	HEK293
Description	Antigen standard for nei endonuclease VIII-like 3 (E. coli) (NEIL3) 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.
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

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	mixture at room temperature for 30 min). Load 5 ug lysate per lane.

GENE INFORMATION

Gene Name	NEIL3 nei endonuclease VIII-like 3 (E. coli) [Homo sapiens]
Official Symbol	NEIL3
Synonyms	NEIL3; nei endonuclease VIII-like 3 (E. coli); endonuclease 8-like 3; FLJ10858; FPG2; hFPG2; hNEI3; nei-like protein 3; DNA glycosylase FPG2; DNA glycosylase hFPG2; endonuclease VIII-like 3; DNA glycosylase/AP lyase Neil3; FGP2; NEI3;
Gene ID	55247
mRNA Refseq	NM_018248
Protein Refseq	NP_060718
MIM	608934
UniProt ID	Q8TAT5
Chromosome Location	4q34
Pathway	Base excision repair, organism-specific biosystem; Base excision repair, conserved biosystem;
Function	NOT DNA N-glycosylase activity; DNA N-glycosylase activity; DNA-(apurinic or apyrimidinic site) lyase activity; bubble DNA binding; damaged DNA binding; double-stranded DNA binding; lyase activity; metal ion binding; single-stranded DNA binding;

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