Recombinant Human NEIL2 293 Cell Lysate

Cat. No. NEIL2-3881HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	
Species	Human
Source	HEK293
Description	Antigen standard for nei like 2 (E. coli) (NEIL2), transcript variant 1 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.

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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	NEIL2 nei endonuclease VIII-like 2 (E. coli) [Homo sapiens]
Official Symbol	NEIL2
Synonyms	NEIL2; nei endonuclease VIII-like 2 (E. coli); nei like 2 (E. coli); endonuclease 8-like 2; FLJ31644; MGC2832; MGC4505; NEH2; nei 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; NEI2;
Gene ID	252969
mRNA Refseq	NM_001135746
Protein Refseq	NP_001129218
MIM	608933
UniProt ID	Q969S2
Chromosome Location	8p23.1
Pathway	Base excision repair, organism-specific biosystem; Base excision repair, conserved biosystem;

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Function	DNA-(apurinic or apyrimidinic site) lyase activity; damaged DNA binding; hydrolase activity, hydrolyzing N-glycosyl compounds; lyase activity; metal ion binding; zinc ion binding;

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