

Recombinant Human NEIL1 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. NEIL1-2291H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	NEIL1 MS Standard C13 and N15-labeled recombinant protein (NP_078884) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	This gene is a member of the Nei endonuclease VIII-like gene family which encodes DNA glycosylases. The encoded enzyme participates in the DNA repair pathway by initiating base excision repair by removing damaged bases, primarily oxidized pyrimidines. Multiple transcript variants encoding different isoforms have been found for this gene.
Molecular Mass	43.7 kDa
AA Sequence	MPEGPELHLASQFVNEACRALVFGGCVEKSSVSRNPEVPFESSAYRISASARGKEL RLILSPLPGAQPQQEPLALVFRFGMSGSFQLVPREELPRHAHLRFYTAPPGPRLALC FVDIRRFGRWDLGGKWQPGRGPCVLQEYQQFRESVLRNLADKAFDRPICEALLDQ RFFNGIGNYLRAEILYRLKIPPF EKARSVLEALQQHRPSPELTLSQKIRTKLQNPDLLE LCHSVPKEVVQLGGRGYGSESGEEDFAAFRAWLR CYGMPGMSSLQDRHGRTIWF QGDPGPLAPKGRKSRKKKSKATQLSPEDRVEDALPPSKAPSRTRRAKRDLPKRTAT QRPEGTSLQQDPEAPTVPKKGRKGRQAASGHCRPRKVKADIPSLEPEGTSASTR TRPLEQKLISEEDLAANDILDYKDDDDKV

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Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name	NEIL1 nei like DNA glycosylase 1 [Homo sapiens (human)]
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_024608
Protein Refseq	NP_078884
MIM	608844
UniProt ID	Q96FI4

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