Recombinant Human NEIL1 Protein, His-tagged

Cat. No. NEIL1-469H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human NEIL1 (AAH10876.1) (Met 1-Ser 390) was fused with a polyhistidine tag at the C-terminus and an initial Met at the N-terminus.
Species	Human
Source	E.coli
ProteinLength	1-390 a.a.
Predicted N Terminal	Met 1
Form	Lyophilized from sterile 50mM Tris, 150mM NaCl, pH 8.0, 5%~8% trehalose and mannitol.
Molecular Mass	The recombinant human NEIL1 comprises 400 amino acids and migrates as an approximately 45 kDa band as predicted in SDS-PAGE under reducing conditions.
Endotoxin	< 1.0 EU per μg of the protein as determined by the LAL method.
Purity	>84 % as determined by SDS-PAGE.
Stability	Samples are stable for up to twelve months from date of receipt at -70ºC.
Storage	Store it under sterile conditions at -20ºC~-70ºC. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

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Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.25 ug/ul. Centrifuge the vial at 4℃ before opening to recover the entire contents.

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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