

Recombinant Full Length Human NEIL1 Protein, C-Flag-tagged

Cat. No. NEIL1-1659HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human NEIL1 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
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.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	43.5 kDa
AA Sequence	MPEGPELHLASQFVNEACRALVFGGCVEKSSVSRNPEVVPFESSAYRISASARGKEL RLILSPLPGAQPQQ EPLALVFRFGMSGSFQLVPREELPRHAHLRFYTAPPGPRLAL CFVDIRRFGRWDLGGKWQPGRGPCVLQE YQQFRESVLRNLADKAFDRPICEALLD QRFFNGIGNYLRAEILYRLKIPPF EKARSVLEALQQHRPSPEL TLSQKIRTKLQNPDL LELCHSVPKEVVQLGGRGYGSESGEEDFAAFRAWLRCYGMPGMSSLQDRHGRTI W FQGDPGPLAPKGRKSRKKKSKATQLSPEDRVEDALPPSKAPSRTRRAKRDLPKR TATQRPEGTSLQQDPE APTVPKKGRRKGRQAASGHCRPRKVKADIPSLEPEGTSASTRTRPLEQKLISEEDLA

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Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Druggable Genome
Protein Pathways	Base excision repair
Full Length	Full L.

GENE INFORMATION

Gene Name	NEIL1 nei like DNA glycosylase 1 [Homo sapiens (human)]
Official Symbol	NEIL1
Synonyms	FPG1; NEI1; hFPG1
Gene ID	79661
mRNA Refseq	NM_024608.4

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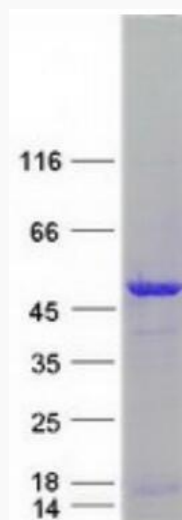
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Protein Refseq NP_078884.2

MIM 608844

UniProt ID Q96FI4



Coomassie blue staining of purified NEIL1 protein.

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