

DNA Repair

Human NEIL2

Molecular Mass: 38 kDa

| Catalog # | Size |
|-----------|-----------|
| 62 | 5 μ g |

Description

NEIL2 is a DNA glycosylase involved in base excision repair of oxidative DNA damage. It is a member of the Fpg/Nei/NEIL family of bi-functional DNA glycosylases. Following its glycosylase action, NEIL2 catalyzes sequential β -elimination and δ -elimination reactions via its associated AP lyase. This results in a one-nucleotide gap in DNA containing a 3' phosphate group. A phosphatase is needed to remove the 3' phosphate group before DNA repair synthesis can occur.

GeneBank Accession Number: [BC013952](#)

Source: Recombinant human NEIL2 was expressed in and purified from *E. coli*.

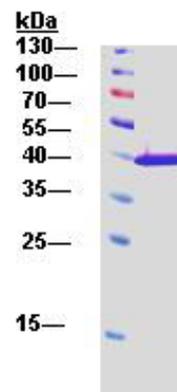
Buffer components:

20 mM Tris-HCl, pH 7.5, 300 mM NaCl, 10% glycerol

Purity: Apparent homogeneity by SDS-PAGE and Coomassie blue staining.

Storage:

Store at -70°C . Aliquot to avoid repeated freezing and thawing.



Purified human NEIL2.

The protein (200 ng) was analyzed by electrophoresis on a 15% SDS-polyacrylamide gel and visualized by staining with Coomassie blue. Protein size markers (lane M) are indicated on the left.