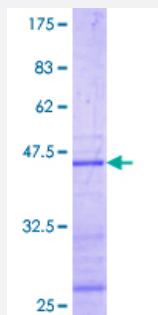


NEIL1 (Human) Recombinant Protein (Q01)

Catalog # H00079661-Q01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human NEIL1 partial ORF (NP_078884.1, 302 a.a. - 390 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	ATQLSPEDRVEDALPPSKAPSRTRRAKRDLPKRTATQRPEGTSLQQDPEAPTVPKKGRRKGRQ AASGHCRPRKVKADIPSLEPEGTSAS
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	35.53
Interspecies Antigen Sequence	Mouse (79); Rat (78)
Preparation Method	in vitro wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — NEIL1

Entrez GeneID [79661](#)

GeneBank Accession# [NM_024608](#)

Protein Accession# [NP_078884.1](#)

Gene Name NEIL1

Gene Alias FLJ22402, FPG1, NEI1, hFPG1

Gene Description nei endonuclease VIII-like 1 (E. coli)

Omim ID [608844](#)

Gene Ontology [Hyperlink](#)

Gene Summary NEIL1 belongs to a class of DNA glycosylases homologous to the bacterial Fpg/Nei family. These glycosylases initiate the first step in base excision repair by cleaving bases damaged by reactive oxygen species and introducing a DNA strand break via the associated lyase reaction (Bandaru et al., 2002 [PubMed 12509226]).[supplied by OMIM]

Other Designations endonuclease VIII|nei endonuclease VIII-like 1

Pathway

- [Base excision repair](#)

Disease

- [Adenomatous Polyposis Coli](#)
- [Bile Duct Neoplasms](#)
- [Carcinoma](#)
- [Cholangiocarcinoma](#)
- [Cholangitis](#)
- [Colon cancer](#)
- [Disease Progression](#)
- [DNA Damage](#)
- [Genetic Predisposition to Disease](#)
- [Kidney Neoplasms](#)
- [Lung Neoplasms](#)
- [Lymphatic Metastasis](#)
- [Mouth Neoplasms](#)
- [Multiple Sclerosis](#)
- [Oropharyngeal Neoplasms](#)