

NEIL1 recombinant protein

NEIL1, 1-390aa, Human, His tag E Coli

CATALOG # AAA48749	HOST E Coli	APPLICATIONS SDS-Page
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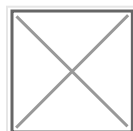
PRODUCT SYNONYMS

NEIL1; 1-390aa; Human; His tag E Coli; Endonuclease 8-like 1; FLJ22402; FPG1; hFPG1; NEI1; NEIL1 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	> 90% by SDS-PAGE
Form/Format	Liquid. 20mM Tris-HCl Buffer (pH 8.0) containing 20% glycerol, 0.1M NaCl, 1mM DTT, 0.1mM PMSF
Concentration	0.5 mg/ml (determined by Bradford assay) (varies by lot)
Sequence	MGSSHHHHHH SSGLVPRGSH MPEGPELHLA SQFVNEACRA LVFGGCVEKS SVSRNPEVPF ESSAYRISAS ARGKELRLIL SPLGAQPQQ EPLALVFRFG MSGSFQLVPR EELPRHAHLR FYTAPPGPRL ALCFVDIRRF GRWDLGGKWQ PGRGPCVLQE YQQFRENVLRL NLADKAFDRP ICEALLDQRF FNGIGNYLRA EILYRLKIPP FEKARSVLEA LQQHRPSPEL TLSQKIRTKL QNPDLLELCH SVPKEVVQLG GKGYGSESGE EDFAAFAFWL RCYGMPPGMSS LQDRHGRTIW FQGDGPLAP KGRKSRKKKS KATQLSPEDR VEDALPPSKA PSRTRRAKRD LPKRTATQRP EGTSLQQDPE APTVPKKGRR KGRQAASGHC RPRKVKADIP SLEPEGTSAS
Sequence Length	390
Applicable Applications for NEIL1 recombinant protein	SDS-PAGE
Antigen Species	Human
Tag Information	His-tag
Preparation and Storage	Can be stored at 4 degree C short term (1-2 weeks). For long term storage, aliquot and store at -20 degree C or -70 degree C. Avoid repeated freezing and thawing cycles.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for NEIL1 recombinant protein	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. Recombinant human NEIL1 protein, fused to His-tag at N-terminus, was expressed in E Coli and purified by using conventional chromatography.
Product Categories/Family for NEIL1 recombinant protein	Enzymes & Proteases

References	Hazra T.K. et al. (2002) J. Biol.Chem. 277: 30417-30420.; Dou H. et al. (2003) J. Biol.Chem. 278: 49679-49684.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	205360991
NCBI GeneID	79661
NCBI Accession #	NP_078884
NCBI GenBank Nucleotide #	NM_024608.3
UniProt Accession #	Q96FI4; Q6ZRA7; Q86XW7; Q9H6C3; D3DW75
Molecular Weight	45.8 kDa (410aa), confirmed by MALDI-TOF
NCBI Official Full Name	endonuclease 8-like 1 isoform 2
NCBI Official Synonym Full Names	nei like DNA glycosylase 1
NCBI Official Symbol	NEIL1
NCBI Official Synonym Symbols	FPG1; NEI1; hFPG1
NCBI Protein Information	endonuclease 8-like 1
UniProt Protein Name	Endonuclease 8-like 1
UniProt Gene Name	NEIL1
UniProt Synonym Gene Names	NEH1

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/neil1-recombinant-protein-e-coli-sds-page/48749>