

## Product datasheet for PH302329

### NEIL1 (NM\_024608) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	NEIL1 MS Standard C13 and N15-labeled recombinant protein (NP_078884)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC202329
Predicted MW:	43.7 kDa
Protein Sequence:	>RC202329 representing NM_024608 Red=Cloning site Green=Tags(s)  MPEGPELHLASQFVNEACRALVFGGCVEKSSVSRNPEVPFESSAYRISASARGKELRLILSPLPGAQPQQ EPLALVFRFGMSGFQLVPREELPRHAHLRFYTAPPGPRLALCFVDIRRFGRWDLGGKWQPRGPCVLQE YQOFRESVLRNLADKAFDRPICEALLDQRFFNGIGNYLRAEILYRLKIPPFKARSVLEALQQHRPSPEL TLSQKIRTKLQNPDLLELCHSVPKEVVQLGGRGYGESEGEEDFAAFRAWLRICYGMPGMSSLQDRHGRTIW FQGDPLAPKGRKSRKKKSKATQLSPEDRVEDALPPSKAPSRTRRAKRDLPKRTATQRPEGTSLQQDPE APTVPKKGRRKGRQAASGHCRPRKVKADIPSLEPEGTSAS  TRTRPLEQKLI SEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>4</sub> ]-L-Arginine and [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>2</sub> ]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<a href="#">NP_078884</a>
RefSeq Size:	1896
RefSeq ORF:	1170
Synonyms:	FPG1; hFPG1; NEI1
Locus ID:	79661



[View online »](#)

UniProt ID: [Q96FI4](#)

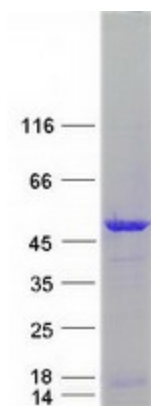
Cytogenetics: 15q24.2

Summary: 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. [provided by RefSeq, Feb 2012]

Protein Families: Druggable Genome

Protein Pathways: Base excision repair

### Product images:



Coomassie blue staining of purified NEIL1 protein (Cat# [TP302329]). The protein was produced from HEK293T cells transfected with NEIL1 cDNA clone (Cat# [RC202329]) using MegaTran 2.0 (Cat# [TT210002]).