

## Product datasheet for **TP302329M**

### NEIL1 (NM\_024608) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Homo sapiens nei endonuclease VIII-like 1 (E. coli) (NEIL1), 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC202329 representing NM_024608 <b>Red</b> =Cloning site <b>Green</b> =Tags(s)

MPEGPELHLASQFVNEACRALVFGGCVEKSSVSRNPEVPPFESSAYRISASARGKELRLILSPLPGAQPQQ  
EPLALVFRFGMSGSFQLVPREELPRHAHLRFYTAPPGRLALCFVDIRRFGRWDLGGKWQPGRGPCVLQE  
YQQFRESVLRNLADKAFDRPICEALLDQRFFNGIGNYLRAEILYRLKIPPEKARSVLEALQQHRPSPEL  
TLSQKIRTKLQNPDLLELCHSVPKEVQLGGRGYGSESGEEDFAAFRAWLRCYGMPGMSSLQDRHGRTIW  
FQGDPGPLAPKGRKSRKKKSKATQLSPEDRVEDALPPSKAPSRTRRAKRDLPKRTATQRPEGTSLQQDPE  
APTVPKKGRRKGRQAASGHCRPRKVKADIPSLEPEGTSAS

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

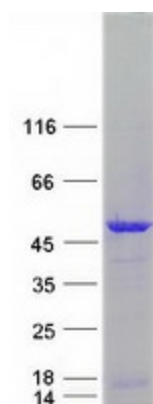
Tag:	C-Myc/DDK
Predicted MW:	43.5 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<u><a href="#">NP_078884</a></u>



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Locus ID:	79661
UniProt ID:	<a href="#">Q96FI4</a>
RefSeq Size:	1896
Cytogenetics:	15q24.2
RefSeq ORF:	1170
Synonyms:	FPG1; hFPG1; NEI1
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]).