

Product datasheet for **SC330454**

NEIL1 (NM_001256552) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: NEIL1 (NM_001256552) Human Untagged Clone
Tag: Tag Free
Symbol: NEIL1
Synonyms: FPG1; hFPG1; NEI1
Vector: pCMV6-Entry (PS100001)
Fully Sequenced ORF: >SC330454 representing NM_001256552.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

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ATGGGGAGGACGGGCCCGAGAGCGCCGCTCCTCCCAAAGTAGGATTTGGAGCCTCACGTTCTCCCGC
AAAACGAGCCCTGTGGGTGCCAGGCCAGGGCGGCTCCAGGTGTGGAGGGGGCAAGGTACGGGCGTCT
GCCGTCGTAAGTGCCCCCTTCCACTTAAGGCACACCTTCGCTCCGATTCGAACCGCCGGGGACAG
AGGCAAGTGGCAAAGCAGGGAGGGCGGAGGACTTGCCACCTCCCTCAGGATGCCTGAGGGCCCGGAG
CTGCACCTGGCCAGCCAGTTTGTGAATGAGGCCTGCAGGGCGCTGGTGTTCGGCGGCTGCGTGGAGAAG
TCCTCTGTGACCCGCAACCTGAGGTGCCCTTTGAGAGCAGTGCCTACCGCATCTCAGCTTCAGCCCGC
GGCAAGGAGCTGCGCCTGATACTGAGCCCTCTGCCTGGGGCCAGCCCCAACAGGAGCCACTGGCCCTG
GTCTTCCGCTTCGGCATGTCCGGCTCTTTTCAGCTGGTGGCCCGGAGGAGCTGCCACGCCATGCCAC
CTGCGCTTTTACACGGCCCCGCCTGGCCCCGGCTCGCCCTATGTTTCGTGGACATCCGCGGGTTCGGC
CGCTGGGACCTTGGGGGAAAGTGGCAGCCGGGCGCGGGCCCTGTGTCTTGACAGGAGTACCAGCAGTTC
AGGGAGAATGTGCTACGAAACCTAGCGGATAAGGCCTTTGACCGGCCATCTGCGAGGCCCTCCTGGAC
CAGAGGTTCTTCAATGGCATTGGCAACTATCTGCGGGCAGAGATCCTGTACCGGCTGAAGATCCCCCCC
TTTGAGAAGGCCCGCTCGGTCTGGAGGCCCTGCAGCAGCACAGGCCGAGCCGGAGCTGACCCTGAGC
CAGAAGATAAGGACCAAGCTGCAGAATCCAGACCTGCTGGAGCTATGCTCACTCAGTGCCCAAGGAAGTG
GTCCAGTTGGGGGCAAAGGCTACGGGTACAGAGCGGGGAGGAGGACTTTGCTGCCTTTTCGAGCCTGG
CTGCGCTGCTATGGCATGCCAGGCATGAGCTCCCTGCAGGACCGCATGGCCGTACCATCTGTTCCAG
GGGATCTCGACCGTTGGCACCCAAAGGGCGCAAGTCCCAGAAAAGAAATCCAAGGCCACACAGCTG
AGTCTGAGGACAGAGTGGAGGACGCTTTGCCTCCAAGCAAGGCCCTTCCAGGACACGAAGGGCAAAG
AGAGACCTTCTAAGAGGACTGCAACCCAGCGCCTGAGGGGACCAGCCTCCAGCAGGACCCAGAAGCT
CCCACAGTGCCCAAGAAGGGGAGGAGGAAGGGGCGACAGGCAGCCTTGCCACTGCAGACCCCGGAAG
GTCAAGGCTGACATCCCATCCTTGAACAGAGGGGACCTCAGCCTCTAG
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Restriction Sites: SgfI-MluI
ACCN: NM_001256552
Insert Size: 1431 bp



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OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	<ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	NM_001256552.1
RefSeq Size:	1820 bp
RefSeq ORF:	1431 bp
Locus ID:	79661
UniProt ID:	Q96FI4
Cytogenetics:	15q24.2
Protein Families:	Druggable Genome
Protein Pathways:	Base excision repair
MW:	53 kDa
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (1) encodes the longer protein (isoform 1).</p>