

Product datasheet for **SC212231**

NEIL2 (NM_001135748) Human 3' UTR Clone

Product data:

Product Type: 3' UTR Clones
Product Name: NEIL2 (NM_001135748) Human 3' UTR Clone
Vector: pMirTarget (PS100062)
Symbol: NEIL2
Synonyms: NEH2; NEI2
ACCN: NM_001135748
Insert Size: 1102 bp
Insert Sequence: >SC212231 3'UTR clone of NM_001135748
 The sequence shown below is from the reference sequence of NM_001135748. The complete sequence of this clone may contain minor differences, such as SNPs.
 Blue=Stop Codon Red=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
GAGGAGCCAGAGCAGTGCCAGTTCTCCTAAGGAGCTGGTGGTCTCCTCACGGAACCTTGCCGTTGGG
GAACCTGACGTCTAAGTGTCCAGAAAGGAGGATGTGGGCAGGGACGGGGTACAGAGGATAGTGTGGGTC
AGAGGTGCCAGTAGTATAATATTCGTCTCCCTGGAGTTATGTTGAAGGCAGAGTTTTTCATAGGGTTAGA
TTTTTTTTATCCTTTTCTAGTTCAGTTAATTCATCCTGTTGAATTGCACCATCGTGAAAGATGGGAAAA
ATCGTGATGATGGGTAAGGGGAAAACTCCCGAAGGCAATGGGGCAAGGAAAAAGAAAGCCTATGGGA
AATGGCTGTGCTCCCAACATAGCTTTGCAGATGATGTGGGTTTTTTTTTTTTTTTTTTGGTTGTTGTTTT
GAGAGAGAGTCTTGCTCTGTCTCCCTGGCTAGGGTGTGGTGGTGTGATCTTGCTCACGGCAGCCTTGC
CCTCCCTGGCTCAAGCAGTCTTCATCTCAGCCTCCAGAGTAGCTGGGACTACAGGCATGTGATATGATG
CTCGGCTGATTTTTGTTTACTTTTTAGAGAGATGGGGTCTTGCCATATTTGCCAGGCTGGTTTGAAGTCT
CTACAACCAAGCATTCTCCACCTTGGTCTCCCAAAATGTTGGGACCACGGGTGTGAGCCACCGCGC
CCAGCTAGCTCCTGTGTTTTGTTTTGTTTTGTTTAACTTTGGTTGATGTTAAGGCCCTCCATTTGGAAA
GCAGGAAAAACAGGATTTTTTTTTTTTTATCTTGTTCCTGGAGGATCCAGGGATGAGGATAGAGTGGCC
TGAGAGCAGTGTGGATTGAGCCTCCTGCTGGGTCTTCTGCTGGATACAGGCACCAAGAGGCGGTGCG
TGGAGCAGGGAGCTGCGCCTTCTGGGGTGCCCGTGGTGTGAGAGAAAAGCTGCTTGTACTCCTT
AAGTCAATGTATTGGTACTGTTGATTTGTTGAACAATTCAGGAATCAAGGGCTGTGGAGAACTCCCT
CATGTTGTTGGCAACAGGTGAATGAACCTAGAGCGGTGACATGAAAAAAAGCTCACTGTTACTCGC
ACGCGTAAGCGGCCGCGCATCTAGATTGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
  
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Restriction Sites: SgfI-MluI



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OTI Disclaimer:	Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences , e.g., single nucleotide polymorphisms (SNPs).
Components:	The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.
RefSeq:	NM_001135748.3
Summary:	This gene encodes a member of the Fpg/Nei family of DNA glycosylases. These glycosylases initiate the first step in base excision repair by cleaving oxidatively damaged bases and introducing a DNA strand break via their abasic site lyase activity. This enzyme is primarily associated with DNA repair during transcription and acts preferentially on cytosine-derived lesions, particularly 5-hydroxyuracil and 5-hydroxycytosine. It contains an N-terminal catalytic domain, a hinge region, and a C-terminal DNA-binding domain with helix-two-turn-helix and zinc finger motifs. This enzyme interacts with the X-ray cross complementing factor 1 scaffold protein as part of a multi-protein DNA repair complex. A pseudogene of this gene has been identified. [provided by RefSeq, Mar 2017]
Locus ID:	252969
MW:	41.3