

Product datasheet for SC209529

FEN1 (NM_004111) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	FEN1 (NM_004111) Human 3' UTR Clone
Symbol:	FEN1
Synonyms:	FEN-1; MF1; RAD2
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_004111
Insert Size:	764 bp
Insert Sequence:	<p>>SC209529 3'UTR clone of NM_004111</p> <p>The sequence shown below is from the reference sequence of NM_004111. The complete sequence of this clone may contain minor differences, such as SNPs.</p> <p>Blue=Stop Codon Red=Cloning site</p>

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GGCAAGTTGGACGCCGCAAGATCCGCGAGATTCTCATTAAGGCCAAGAAGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAACGATCGCC
GCAGCAGGGAAGTTTAAAGGGGAAAATAAATGTGTTTCCCCATTATACCTCCTTACCCCAGAATATT
TGCCGTCTTGACCTTAAGAGCTACAGCTAGAGAAACCTTCACGGGTGGAGAGAGGATTCTAAGGCT
TTTCTAGCGTGACCCTTTTCAGTAGTGCTAGTCCCTTTTTTACTTGATCTTAATGGCAAGAAGGCCACA
GAGGTACTTTTCCTTTTTAGCTCAGGAAAATATGTCAGGCTCAAACCACTTCTCAGGCAGTTTAATGG
ACACTAAGTCCATTGTTACATGAAAGTGATAGTAGCAACAAGTTTTGGAGAAGAGAGAGGAGATAAA
AGGGGGAGACAAAAGATGTACAGAAATGATTCCTGGCTGGCCAAGTGGTGGCCAGTGGGAGGTGATGG
TGGACCTAGACTGTGCTTTTCTGTCTTGTTTCAGCCTTGACCCACCTTGAGAGAGAGCCACCAGGAAGGC
GCATCTTAGCAGATGGGAGGAAGTGTGAGAGAAGATGGGCAGAAAGCTGGAGCCCTGGAGTTGGCTG
TGTCTGTGTTTGTGACTGATTACTGGCTGTGTCTTGGGTGGGCAGAACTCGAAGTTGCTATGTAATTT
GTGTCTAGTTATTCAGAGGAGTAAGATGGTGATGTTACCTGGCAATCAGCTGAGTTGAGACTTTGGAA
TAAGACACTGGTTTTTCATGCGCTGTTTTTGTGTTTAAAGTTATGAAGAAAAAGTCAATAAAATTTCTAAA
AGTAA
ACGCGTAAGCGGCGCGGCATCTAGATTGAAGAAAAATGACCGACCAAGCGACGCCAACCTGCCATCA
CGAGATTTTCGATTCCACCGCCGCTTCTATGAAAGG
  
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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:	<u>NM_004111.6</u>
Summary:	The protein encoded by this gene removes 5' overhanging flaps in DNA repair and processes the 5' ends of Okazaki fragments in lagging strand DNA synthesis. Direct physical interaction between this protein and AP endonuclease 1 during long-patch base excision repair provides coordinated loading of the proteins onto the substrate, thus passing the substrate from one enzyme to another. The protein is a member of the XPG/RAD2 endonuclease family and is one of ten proteins essential for cell-free DNA replication. DNA secondary structure can inhibit flap processing at certain trinucleotide repeats in a length-dependent manner by concealing the 5' end of the flap that is necessary for both binding and cleavage by the protein encoded by this gene. Therefore, secondary structure can deter the protective function of this protein, leading to site-specific trinucleotide expansions. [provided by RefSeq, Jul 2008]
Locus ID:	2237
MW:	28.8