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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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FEN1 293T Cell Transient Overexpression Lysate(Denatured)

Catalog # : H00002237-T02

規格 : [100 uL]

[List All](#)

Specification

Transfected Cell Line: 293T

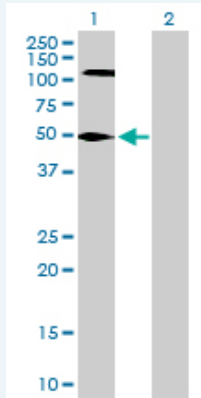
Plasmid: pCMV-FEN1 full-length

Host: Human

Theoretical MW (kDa): 42.6

Quality Control Testing: Transient overexpression cell lysate was tested with Anti-FEN1 antibody (H00002237-D01P) by Western Blots.

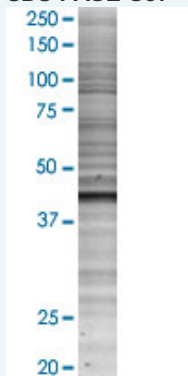
Western Blot



Lane 1: FEN1 transfected lysate (41.91 KDa)

Lane 2: Non-transfected lysate.

SDS-PAGE Gel



FEN1 transfected lysate.

Storage Buffer: 1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)

Storage Instruction: Store at -80°C. Aliquot to avoid repeated freezing and thawing.

MSDS: [Download](#)

Applications

Application Image

Western Blot

Western Blot

Gene Information

Entrez GeneID: [2237](#)

GeneBank Accession#: [NM_004111](#)

Protein Accession#: [NP_004102.1](#)

Gene Name: FEN1

Gene Alias: FEN-1,MF1,RAD2

Gene Description: flap structure-specific endonuclease 1

Omim ID: [600393](#)

Gene Ontology: [Hyperlink](#)

Gene 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]

Other Designations: DNase IV,maturation factor-1

Gene Pathway

[Base excision repair](#) [DNA replication](#) [Non-homologous end-joining](#)

Related Disease

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