

Recombinant Human FEN1 protein, His-tagged

Cat. No. FEN1-6433H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human FEN1 protein(1-380 aa), fused with N-terminal His tag, was expressed in E.coli.
Species	Human
Source	E.coli
ProteinLength	1-380 aa
Form	The purified protein was lyophilized from sterile phosphate-buffered saline (PBS: 58 mM Na ₂ HPO ₄ , 17 mM NaH ₂ PO ₄ , 68 mM NaCl, pH 7.4). Prior to lyophilization, 5% (w/v) trehalose and 5% (w/v) mannitol were incorporated as cryoprotective excipients. The protein was eluted with a buffer containing 300 mM imidazole.
AASequence	MGIQGLAKLIADVAPSAIRENDIKSYFGRKVAIDASMSIYQFLIAVRQGGDVLQNEEGE TTSHLMGMFYRTIRMMENGIKPVYVFDGKPPQLKSGELAKRSERRAEAEKQLQQAQ AAGAEQEVEKFTKRLVKVTKQHNDCKHLLSLMGIPYLDAPSEAEASCAALVKAGKV YAAATEDMDCLTFGSPVLMRHLTASEAKKLPQEFHLSRILQELGLNQEQFVLDLCILL GSDYCESIRGIGPKRAVDLIQKHKSIEEIVRRLDPNKYPVPENWLHKEAHQLFLEPEV LDPESVELKWSEPNEEELIKFMCGEKQFSEERIRSGVKRLSKSRQGSTQGRLLDDFF KVTGSLSSAKRKEPEPKGSTKKKAKTGAAGKFKRGK
Purity	90%, by SDS-PAGE with Coomassie Brilliant Blue staining.
Storage	Store at 2-8°C for 1-2 weeks. Aliquot and store at -20°C to -80°C for up to 3 months,

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reconstitution with sterile water and addition of an equal volume of glycerol. Avoid repeat freeze-thaw cycles.

Reconstitution

Dissolve the product in 200 µl sterile water to achieve a working concentration of 0.25 g/µl. If experimental compatibility allows, mix the aqueous solution with an equal volume of glycerol (1:1 ratio) after initial reconstitution.

GENE INFORMATION

Gene Name [FEN1 flap structure-specific endonuclease 1 \[Homo sapiens \]](#)

Official Symbol [FEN1](#)

Synonyms [FEN1](#); flap structure-specific endonuclease 1; [RAD2](#); flap endonuclease 1; [DNase IV](#); [FEN 1](#); maturation factor 1; [MF1](#); maturation factor-1; [FEN-1](#);

Gene ID [2237](#)

mRNA Refseq [NM_004111](#)

Protein Refseq [NP_004102](#)

MIM [600393](#)

UniProt ID [P39748](#)

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SDS-PAGE



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