Recombinant Human ERCC1

Cat. No. ERCC1-2396H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human full lengthERCC1 (aa 448-568) is expressed in*E.coli*. MW=61kDa.
Species	Human
Source	E.coli
ProteinLength	448-568 a.a.
Description	The mammalian ERCC1 (Excision Repair Cross Complementing) polypeptide is required for nucleotide excision repair (NER) of damaged DNA and is homologous to Saccharomyces cerevisiae RAD10, which functions in repair and mitotic intrachromosomal recombination. NER mechanism involves dual incisions on both sides of the damage catalyzed by two nucleases. In mammalian cells XPG cleaves 3" of the DNA lesion while the ERCC1-XPF complex makes the 5" incision. Elevated levels of ERCC1 have also been reported in Cisplatin-resistant cells.
Presentation	100µl purified human MET protein at 100µg/ml in 50mM Tris-Acetate, pH7.5, 1mM EDTA, 20% Glycerol without BSA and Sodium Azide.
Application	ELISA, Inhibition Assays, Western Blotting.
Characterization	On SDS-PAGE commassie blue stained gel, the purified recombinant protein shows a band at 61kDa including GST.

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Storage	Store vial at -20℃ to -80℃. When stored at the recommended temperature, this protein is stable for 12 months.
Full Length	Full L.

GENE INFORMATION

Gene Name	ERCC1 excision repair cross-complementing rodent repair deficiency, complementation group 1 (includes overlapping antisense sequence) [Homo sapiens]
Synonyms	ERCC1; excision repair cross-complementing rodent repair deficiency, complementation group 1 (includes overlapping antisense sequence); UV20; COFS4; DNA excision repair protein ERCC-1
Gene ID	2067
mRNA Refseq	NM_001166049
Protein Refseq	NP_001159521
MIM	126380
UniProt ID	P07992
Chromosome Location	19q13.2-q13.3
Pathway	Nucleotide excision repair; DNA Repair
Function	damaged DNA binding; endonuclease activity; hydrolase activity; protein C-terminus binding; protein domain specific binding; contributes_to single-stranded DNA specific

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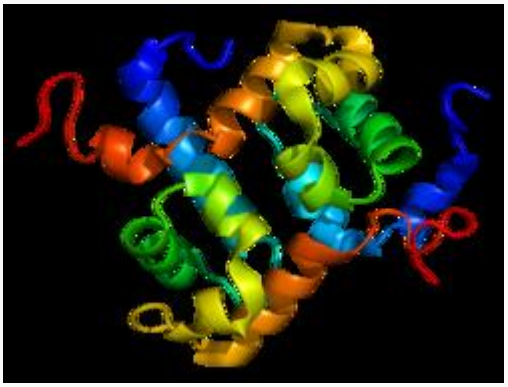
	endodeoxyribonuclease activity; contributes_to structure-specific DNA binding
PDB rendering based on 1z00.	

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