

Recombinant Full Length Human ERCC4 Protein, C-Flag-tagged

Cat. No. ERCC4-1928HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human ERCC4 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
Description	The protein encoded by this gene forms a complex with ERCC1 and is involved in the 5' incision made during nucleotide excision repair. This complex is a structure specific DNA repair endonuclease that interacts with EME1. Defects in this gene are a cause of xeroderma pigmentosum complementation group F (XP-F), or xeroderma pigmentosum VI (XP6).
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	104.3 kDa
AA Sequence	MESGQPARRIAMAPLLEYERQLVLELLDTDGLVVCARGLGADRLLYHFLQLHCHPA CLVLVLNTQPAEEE YFINQLKIEGVEHLPRRVTNITSNSRYEVYTQGGVIFATSRILV VDFLTDRIPSDLITGILVYRAHR II ESCQEAFILRLFRQKNKRGFIKAFTDNAVAFDTGF CHVERVMRNLFVRKLYLWPRFHVAVNSFLEQHKPE VVEIHVSMTPTMLAIQTAILDIL NACLKELKCHNP SLEVEDLSLENAIGKPFDKTIRHYLDPLWHQLGAK TKSLVQDLKIL RTLLQYLSQYDCVTFLNLLESRLATEKAFGQNSGWFLDSSTSMFINARARVYHLPD AK MSKKEKISEKMEIKEGEETKKELVLESNPKWEALTEVLKEIEAENKESEALGGPG

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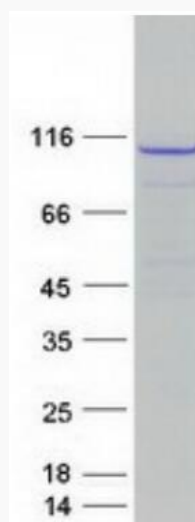
 45-1 Ramsey Road, Shirley, NY 11967, USA

QVLICASDDRTCSQL RDYITLGAEAFLLRLYRKTFEKDSKAEVWMKFRKEDSSKRI
 RKSHKRPKDPQNKERASTKERTLKKKKR KLTLTQMVGKPEEEEEEGDVEEGYRREI
 SSSPESCPEEIKHEEFDVNLSSDAAFGILKEPLTIIHPLLGC SDPYALTRVLHEVEPRY
 VVLYDAELTFVRQLEIYRASRP GKPLRVYFLIYGGSTEEQRYLTALRKEKEAF EKLIR
 EKASMVVPEEREGRDETNDLVRGTASADVSTDTRKAGGQEONGTQQSIVVDMRE
 FRSELP SLIH RRGIDIEPVTLEVGDYILTPEMCVERKSISDLIGSLNNGRLYSQCISMS
 RYYKRPVLLIEFDPSKPFSLT SRGALFQEISSNDISSKLTLLTLHFPRLRILWCPSPHA
 TAELEELKQSKPQPDAAALAITADSETLPE SEKYNPGPQDFLLKMPGVNAKNCR
 SLMHHVKNIAELAALSQDELTSILGNAANAKQLYDFIHTSFAEVVS KGKGKK TRTRP
 LEQKLISEEDLAANDILDYKDDDDKV

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Druggable Genome
Protein Pathways	Nucleotide excision repair
Full Length	Full L.

GENE INFORMATION

Gene Name	ERCC4 ERCC excision repair 4, endonuclease catalytic subunit [Homo sapiens (human)]
Official Symbol	ERCC4
Synonyms	ERCC11, FANCQ, RAD1, XFEPS, XPF
Gene ID	2072
mRNA Refseq	NM_005236.3
Protein Refseq	NP_005227.1
MIM	133520
UniProt ID	Q92889



Coomassie blue staining of purified ERCC4 protein.

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