

Product datasheet for SC201094

ERCC1 (NM_202001) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	ERCC1 (NM_202001) Human 3' UTR Clone
Symbol:	ERCC1
Synonyms:	COFS4; RAD10; UV20
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_202001
Insert Size:	867 bp
Insert Sequence:	<p>>SC201094 3'UTR clone of NM_202001</p> <p>The sequence shown below is from the reference sequence of NM_202001. 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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GGCAAGTTGGACGCCGCAAGATCCGCGAGATTCTCATTAAGGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAACGATCGCC
AAGACCAGACACAGTGGCTTCGCCTGTAAATCCCAACATTTTGGGAGGCCAAGGCGGGAGGACTGCTTG
AGGCCAGAAGTTGGAGACCAGCCTGGGCAAGTGGACACCTCATTTTTACTAAAAATAAAAAAACTAGC
TGGGCATGGTGGTGTGAGCTTGCTACGTGCCTGTAGTCTCAGCTACTGGGAGACTGAGGTGGGAGGAT
CGCTTGAGCCCAGGAGGTTGAGGCTGCAGTGAGCTATAAGCATGTTACTACGCTCCAGCCTGGGTGACA
GAGCGATCCTGTCTCAAAGCAGAAGCAATCCAATGAGGAAGAATGAACTAGATAGCTATCTCTCGCCA
TATACAAAAATCAAATTAATGATTACAGACTTAAATCTAAGACCTCAATGCATGAAACGTCTACAA
GAAAACATTGAGAAGCTCTCCAGGACATTGAACTGGGCAGAGATTTCTTGAGTAATGCCCTATAAGCAT
AGGAACTAAAGCAAAATGGACAAATGGGATCACATCAAATTAAGGCTTCTAAGCCAGGTGCGGTGG
CTTGGCCTGTAAATCCAGCACTTTGAGAGGCTGAGGCGGCTGGATCACCTGAGGTCAGGAGTTGGGA
CCAGCCTGGCCAACATGGAGACACCCATCTTTACTAAAAATACAAAAAGTAGCCAGGTATGGTGGCA
CATGCCTGTAATCCAGCTACTTGAAGGCTGAGGAGGACAATCGTTTGAACCCGGGAGGTGGAGGT
GCAGTGAGCCAAGATAGCGCCATTGCACTCCAGCCTGGACAATAAGAGTGAACTCTATCTCAAAAAAT
AAAAAAAAAAAAAAAAAAGAAATAAAGGCTTCTGCACAGCAAA
ACGCGTAAGCGGCCGCGCATCTAGATTGAAGAAAATGACCGACCAAGCGACGCCAACCTGCCATCA
CGAGATTCGATTCCACCGCGCCTTCTATGAAAGG
  
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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_202001.3</u>
Summary:	The product of this gene functions in the nucleotide excision repair pathway, and is required for the repair of DNA lesions such as those induced by UV light or formed by electrophilic compounds including cisplatin. The encoded protein forms a heterodimer with the XPF endonuclease (also known as ERCC4), and the heterodimeric endonuclease catalyzes the 5' incision in the process of excising the DNA lesion. The heterodimeric endonuclease is also involved in recombinational DNA repair and in the repair of inter-strand crosslinks. Mutations in this gene result in cerebrooculofacioskeletal syndrome, and polymorphisms that alter expression of this gene may play a role in carcinogenesis. Multiple transcript variants encoding different isoforms have been found for this gene. The last exon of this gene overlaps with the CD3e molecule, epsilon associated protein gene on the opposite strand. [provided by RefSeq, Oct 2009]
Locus ID:	2067
MW:	33