

## 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  
**Vector:** pMirTarget (PS100062)  
**Symbol:** ERCC1  
**Synonyms:** COFS4; RAD10; UV20  
**ACCN:** NM\_202001  
**Insert Size:** 867 bp  
**Insert Sequence:** >SC201094 3'UTR clone of NM\_202001

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.

Blue=Stop Codon Red=Cloning site

```
GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
AAGACCAGACACAGTGGCTTCCGCCTGTAAATCCCAACATTTTGGGAGCCAAGGCGGGAGGACTGCTTG
AGGCCAGAAGTTGGAGACCAGCCTGGGCAAGTGGACACCTCATTTTTACTAAAAATAAAAAAACTAGC
TGGGCATGGTGGTGTGAGCTTGCTACGTGCCTGTAGTCTCAGCTACTGGGAGACTGAGGTGGGAGGAT
CGCTTGAGCCCAGGAGGTTGAGGCTGCAGTGAGCTATAAGCATGTTACTACGCTCCAGCCTGGGTGACA
GAGCGATCCTGTCTCAAAGCAGAAGCAATCCAATGAGGAAGAATGAACTAGATAGCTATCTCTCGCCA
TATACAAAAATCAAATAAAAATGGATTACAGACTTAAATCTAAGACCTCAATGCATGAAACGTCTACAA
GAAAACATTGAGAAGCTCTCCAGGACATTGAACTGGGCAGAGATTTCTTGAGTAATGCCCTATAAGCAT
AGGAAACTAAAGCAAAATGGACAAATGGGATCACATCAAATAAAAAGCTTCTAAGCCAGGTGCGGTGG
CTTGGCCTGTAATCCCAGCACTTTGAGAGGCTGAGGCGGCTGGATCACCTGAGGTGAGGATTTGGGA
CCAGCCTGGCCAACATGGAGACACCCCATCTTTACTAAAAATACAAAAAAGTAGCCAGGTATGGTGGCA
CATGCCTGTAATCCCAGCTACTTGAAGGCTGAGGCAGGACAATCGTTTGAACCCGGGAGGTGGAGGTT
GCAGTGAGCCAAGATAGCGCCATTGCACTCCAGCCTGGACAATAAGAGTAAAAGTCTATCTCAAAAAAT
AAAAAAAAAAAAAAAAAGAATAAAAGGCTTCTGCACAGCAA
ACGCGTAAGCGGCCGCGCATCTAGATTGAAGAAAATGACCGACCAAGCGACGCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
```

**Restriction Sites:** SgfI-MluI

**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).



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<b>Components:</b>	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.
<b>RefSeq:</b>	<a href="#">NM_202001.3</a>
<b>Summary:</b>	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]
<b>Locus ID:</b>	2067
<b>MW:</b>	33