

## Product datasheet for SC200358

### XRCC1 (NM\_006297) Human 3' UTR Clone

#### Product data:

Product Type:	3' UTR Clones
Product Name:	XRCC1 (NM_006297) Human 3' UTR Clone
Symbol:	XRCC1
Synonyms:	RCC; SCAR26
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_006297
Insert Size:	111 bp
Insert Sequence:	<p>&gt;SC200358 3'UTR clone of NM_006297</p> <p>The sequence shown below is from the reference sequence of NM_006297. The complete sequence of this clone may contain minor differences, such as SNPs.</p> <p>Blue=Stop Codon Red=Cloning site</p> <pre> GGCAAGTTGGACGCCGCAAGATCCGCGAGATTCTCATTAAGGCCAAGAAGGGCGGAAAGATCGCCGTG TAACAATTGGCAGAGCTCAGAATTCAAACGATCGCC CAGCTCTATGGGGTGGTGGCGCAAGCCTAGATATGTGCTATACACACACACACACACACACACACA CACACACACACGATGCATTTAATAAAGATGAGTTGTTCTCA ACGCGTAAGCGGCCGCGCATCTAGATTGGAAGAAATGACCGACCAAGCGACGCCAACCTGCCATCA CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG           </pre>
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).
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:	<a href="#">NM_006297.3</a>


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**Summary:** The protein encoded by this gene is involved in the efficient repair of DNA single-strand breaks formed by exposure to ionizing radiation and alkylating agents. This protein interacts with DNA ligase III, polymerase beta and poly (ADP-ribose) polymerase to participate in the base excision repair pathway. It may play a role in DNA processing during meiosis and recombination in germ cells. A rare microsatellite polymorphism in this gene is associated with cancer in patients of varying radiosensitivity. [provided by RefSeq, Jul 2008]

**Locus ID:** 7515

**MW:** 4.4