

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
Vector:	pMirTarget (PS100062)
Symbol:	XRCC1
Synonyms:	RCC; SCAR26
ACCN:	NM_006297
Insert Size:	111 bp
Insert Sequence:	>SC200358 3'UTR clone of NM_006297 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. Blue=Stop Codon Red=Cloning site GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC CAGCTCTATGGGGTGGTCCGCAAGCCTGAGTATGTGCTATACACACACACACACACACACACACA CACACACACACGATGCATTTAATAAAGATGAGTTGTTCTCA ACGCGTAAGCGGCCGCGCATCTAGATTGAAGAAAATGACCGACCAAGCGACGCCAACCTGCCATCA CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
Restriction Sites:	Sgfl-Mlul
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_006297.3</u>



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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