

Product datasheet for **SC207436**

XRCC4 (NM_003401) Human 3' UTR Clone

Product data:

Product Type: 3' UTR Clones

Symbol: XRCC4

Synonyms: SSMED

Mammalian Cell Neomycin

Selection:

Vector: pMirTarget (PSI00062)

ACCN: NM_003401

Insert Size: 548 bp

Insert Sequence: >SC207436 3'UTR clone of NM_003401
The sequence shown below is from the reference sequence of NM_003401. The complete sequence of this clone may contain minor differences, such as SNPs.
Blue=Stop Codon Red=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
AGCCCAAGAAGACCTCTTTGATGAGATTAAACAGTCTCAAAAAATACTTTGATGTTCCTAGACTATGTT
TTCTATTCAATTTCTTTAAATGAAAAAGGAGAATTTCAAGTCAGCAGCCGCTATTACCGTATCTTACAA
TTTAATTACATACACAGTGAATTGAAACCATTGTGCAAAATGGATTACACATGTATACAAAGATACGAT
TTGATGATGACACTGGCACATTATTCTAACTATTCATTGAGCATGCCTATAATTACATAAATTGTATG
AGACTTTTTGTTGCAAGGACACATTTATCATATTCATTACACATATTATATGTGATAGCTGTCCAAC
ATCCTGTCTGGGAAGATTTTGAAGACAGGACAAAGAAACATCTTTTAAATGTCTTCAGCTTTTTTT
GAATAGACGTATTCAAACATATTCTGAACATTGATGTTTGAACATTTTAAATTTGTGATGATGTAGAA
AATATAATTTTAGTTTGTACATAAACATTGTGAAATCTGATAATAAAATTTTGTATACATTGAA
ACGCGTAAGCGGCCGCGGCATCTAGATTGCAAGAAAATGACCGACCAAGCGACGCCAACCTGCCATCA
CGAGATTTGATTCCACCGCCGCTTCTATGAAAGG
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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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_003401.5</u>
Summary:	The protein encoded by this gene functions together with DNA ligase IV and the DNA-dependent protein kinase in the repair of DNA double-strand breaks. This protein plays a role in both non-homologous end joining and the completion of V(D)J recombination. Mutations in this gene can cause short stature, microcephaly, and endocrine dysfunction (SSMED). Alternate transcript variants such as NM_022406 are unlikely to be expressed in some individuals due to a polymorphism (rs1805377) in the last splice acceptor site. [provided by RefSeq, Oct 2019]
Locus ID:	7518
MW:	21.8