

Product datasheet for MC206951

Xrcc3 (BC043073) Mouse Untagged Clone

Product data:

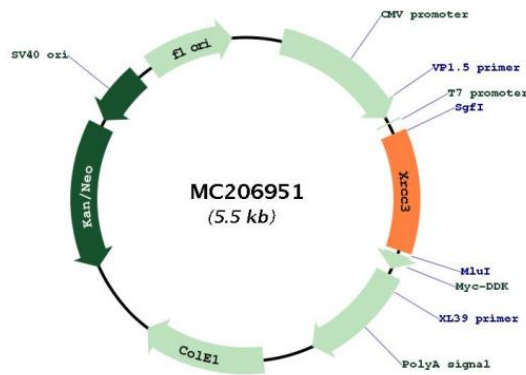
Product Type:	Expression Plasmids
Product Name:	Xrcc3 (BC043073) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Xrcc3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC206951 representing BC043073. Blue=ORF Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGACTTGGATCAGCTGGACCTAAACCCCGAATTACTGCTGCGGTTAAGAGGGGCAGACTGAAGTCA
GTGAAGGAGATTCTGTGCTACTCCGGACCAGACTTGCAGCGGCTCACCGCCTGCCAGCCACGATGTG
CAGTGCCCTGTGAGAGCTGCCTCTACACCTTCGGGGAAGCCGCGTCTCTCAGCACTGCATCTGTTT
CAGCAGAAGGAGAGCTTCCCTGAGCAGCATCAACGCCTGAGCCTAGGCTGCCCTGTCTGGATCAGTTT
CTGGGTGGAGGCCTGCCCTGGAGGGCATCACTGGCTGGCTGGCTGCAGCTCAGCAGGAAAGACCCAG
CTGGCGTACAGCTCTGCCTGGCTGTGCAGTTCCCAAGACAATATGGAGGCTAGAGCCGGGCTGTCT
TACATCTGCACAGAAGATGCCTTCCCCAGCAAGCGGCTGTGGCAGCTCATCGCGCAGCAGCGGAGGCTG
CGGACAGACGCGCTGAGGAGCTGATCGAGAAGATCAGGTTTCCAGCAACCACATCTTCATTGAACACGCG
GCCGACGTGCCCCATTTGTTGTGAGTTCCACCTCAGGCCTCAGCCATCAGGGCGAAGCTCCTGCTCT
CGCTGGGGGCCACACTGCGAAGACTGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGCGC
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Restriction Sites: SgfI-MluI



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Plasmid Map:


ACCN: BC043073

Insert Size: 648 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: [BC043073](#)

RefSeq Size: 2318 bp

RefSeq ORF: 647 bp

Locus ID: 74335

Cytogenetics: 12 F1

MW: 23.8 kDa

Gene Summary: This gene encodes a member of the RecA/Rad51-related protein family that participates in homologous recombination to maintain chromosome stability and repair DNA damage. This gene functionally complements Chinese hamster *irs1SF*, a repair-deficient mutant that exhibits hypersensitivity to a number of different DNA-damaging agents and is chromosomally unstable. Allelic variants in the human gene are associated with susceptibility to breast cancer and cutaneous malignant melanoma. [provided by RefSeq, Sep 2015]