

Product datasheet for **MC211524**

Xrcc3 (NM_028875) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Xrcc3 (NM_028875) Mouse Untagged Clone
Tag: Tag Free
Symbol: Xrcc3
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC211524 representing NM_028875
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGACTTGGATCAGCTGGACCTAAACCCCGAATTACTGCTGCGGTTAAGAGGGGCAGACTGAAGTCAG
TGAAGGAGATTCTGTCTACTCCGGACCAGACTGCAGCGGCTCACCGGCTGCCAGCCACGATGTGCA
GTGCCTGCTGAGAGCTGCCTCTCTACACCTTCGGGGAAGCCGCTCCTCAGCACTGCATCTGTTCCAG
CAGAAGGAGAGCTTCCCTGAGCAGCATCAACGCCTGAGCCTAGGCTGCCCTGTCCCTGGATCAGTTCCTGG
GTGGAGGCTGCCCTGGAGGGCATCACTGGCCTGGCTGGCTGCAGCTCAGCAGGAAGACCCAGCTGGC
GCTACAGCTCTGCCTGGCTGTGCAGTTCCTCAAGACAATATGGAGGCTAGAGGCCGGGGTGTCTACATC
TGCACAGAAGATGCCTTCCCCAGCAAGCGGCTGTGGCAGCTCATCGCGCAGCAGCGGAGGCTGCGGACAG
ACGCGCTGAGGAGCTGATCGAGAAGATCAGGTTAGCAACCACATCTTCATTGAACACGCGGCCGACGT
GGACACCTTGTGGAGTGTGTGAGTAAGAAAGTCCCCATCCTGCTGTCGAGGGGCATGGCCCGCTGGT
GTGTTGACTCCATTGCAGCCCCATTCGTTGTGAGTTCACCTCAGGCCTCAGCCATCAGGGCGAAGC
TCCTGCTCTCGCTGGGGCCACACTGCGAAGACTGAGCAGCACCTCAGGAGCCAGTGTGTGCATCAA
CCAGGTGACAGACATGGTGGAGGACCAGCAGTCTGTGTCCAGGCTACTAGGGGCTCAGAAGAGCGCCTC
TCTCCAGCCCTTGGCATCACCTGGGCTAACAGCTCCTGATGCGACTGATGGTTGACCGCACCCATGAGG
ACGATGTTACCACAGGCTTGGCCAGAAGCCAGTTCGGACTCTCCGAGTGCTCTTCGCCCCACCTACC
CCTCTCTCTGCTGCTACACAGTCAGTGGGGAAGGCATTAGGGGGATGCCAGGAACACAGTCCTACT**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_028875
Insert Size: 1050 bp



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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:	<ol style="list-style-type: none">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:	NM_028875.3 , NP_083151.1
RefSeq Size:	2479 bp
RefSeq ORF:	1050 bp
Locus ID:	74335
UniProt ID:	Q9CXE6
Cytogenetics:	12 F1
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]