

Product datasheet for **RN212605**

Xrcc5 (NM_177419) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Xrcc5 (NM_177419) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Xrcc5
Synonyms:	Ku80; Kup80
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF:

>RN212605 representing NM_177419

Red=Cloning site Blue=ORF Orange=Stop codon

 TTTTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGC**C

 ATGGCGTGGTCCGGTAATAAGGCAGCTGTTGTGCTGTGTATGGATGTGGGGTTGCCATGGGTAACCTCT
 TTCCTGGTGAAGAATCCCACTTGAACAGGCCAAGAAAGTGATGACTATGTTTGTCCAACGACAGGTGTT
 TTCGGAGAGCAAGGATGAGATCGCCTTAGTCCTATGGTACAGAGAGCACTGATAACGCCCTTGCTGGC
 AAGGACCAGTATCAGAACATCACAGTGCACAGGCACCTGATGCTACCAGATTTTGATTTGCTGGAAGACA
 TCGGAAACAAAATCCAACCAAGTTCTCAACAAGCCGACTTCTGGACGCCCTGATTGTGTGCATGGATTT
 GATTACAGCGTGAACCATAGGAAAGAAGTTTGGGAAGAAGCATATTGAAGTGTTCACTGATCTCAGCAGC
 CCATTACGCCAAGACCACTGGACATTATAATTTGAACCTGAAGAAGTCCGGCATCTCCCTGCAGTTCT
 TTCTGCCTTTTCCAATCGACAAGAATGGTGAGCCTGGGGAGACAGAAGACCAGACTCCAGCTTCGACCA
 CTGTGCACCCTCCTTCCCTCAAAAAGGACTTACTGAGCAGCAAAAGGAAGGCATCCCATGTTGACGAGG
 GTGATGCTGTCTTTAGAAAGGCAAGATGGTCTGGATGAAATTTATTCCTTCAGCGAGAGTCTTCAGCAAC
 TGTGCATCTTTAAGAAGATTGAGAGGCGGTCTTGCCTGGCCCTGCCAAGTACCATCGCCCCAAGT
 GTCTATAAGGATCGTAGCCTATAAATCGATTGTACAGGAGAAATTTAAAAAGAGTTGGGTAGTTGTGGAC
 GCAAGAACTCTAAGAAGGAAGATATACAAAAGAGACTGTTTATTGCCTAAATGACGATGATGAAACTG
 AAGTTTCCAAAGAGGACACTATTCAAGGTTCCGCTATGGAAGCGACATCATTCTTTTCTAAAGTGGA
 TGAGGAACAAATGAAATATAATCGGAGGGGAAGTGCTTCTGTTCTGGGGTCTGTAATCTTCTCAG
 GTTCATAGAAGATTCTTCATGGGACATCAAGTTCTGAAGTCTTCGACGGAAGGATGATGAGGCAGCAG
 CTGTTGCACTTTCTCCCTAGTTCACGCTTTGGATGAGTTAAACATGGTCGCTATCGTCCGCTACGCCTA
 TGACAAAAGAGCTAATCCTCAAGTTGGTGTAGCCTTCCCTTTCATTAAGGATGCCATGAGTGTTTAGTT
 TATGTGCAGCTGCCTTTCATGGAAGACTTGCAGCAATACATGTTTTCTCACTGAAAAACAATAAGAAGT
 GCACCCCCACAGAGGCACAGCTGAGTGCATCGATGATCTGATTGATTCCATGAGCTTGGTAAAGAAAAA
 CGAGGAAGAAGACATCATCGAAGACTTGTTCACCTCCAAAATCCAAATCCTGAATTCAGCGGTTG
 TACCAGTGTCTGCTGCACAGAGCCTTACATCTCCAGGAGCGGCTGCCCAATTCAGCAGCACATTTTGA
 ATATGCTGGATCCCCCACTGAGATGAAAGCAAAATGTGAGATTCCTCTCTAAAGTAAAGACCTTTT
 CCCTCTGACGGAAGTCGTTAAGAAAAAGGACCAAGTACTGCTCAGGACGTTTTTCAAGACAATATTGAA
 GAGGGGCCGCTGCTAAAAATACAAGACTGAGAAAGAAGAAGGTACATCAGCATCTCCAGCCTGGCAG
 AAGGGAATGTACCAAGGTTGGAAGTGTGAATCCTGTTGAAAACCTCCGTGTCCTAGTAAGACAGAAGAT
 TGCCAGCTTTGAGGAAGCGAGTCTCCAGCTAATGAGTCACATTGAACAGTTTTTGGATACCAATGAAACA
 CTGTATTTTATGAAAAGTATGGACCGCATCAAAGCTCTCCGGGAGGAAGCCATTCAAGTTTTCAGAGGAGC
 AGCGTTTCAACAGTTTCTGGAAGGCCTTCGAGAGAAAGTGGAAATTAACAATTAATCATTCTGGGA
 AATTGTCGTGCAGGATGGAATTACTCTGATCACCAAGACGAAAGCCAGGAAGCTCTGTACAGCTGAG
 GAGGCCACGAAGTTCTGACCCCAAGACAAAGCAAAAGAAGACACAACAGGACTTGAAGAAGGTGGT
 ATGTGGATGATTACTGGACATGATAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

SgfI-MluI

ACCN:

NM_177419

Insert Size:

2199 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:	<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:	<u>NM_177419.2, NP_803154.1</u>
RefSeq Size:	2545 bp
RefSeq ORF:	2199 bp
Locus ID:	363247
Cytogenetics:	9q33