

Product datasheet for **MC220780**

Ercc4 (BC026792) Mouse Untagged Clone

Product data:

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| Product Type: | Expression Plasmids |
| Product Name: | Ercc4 (BC026792) Mouse Untagged Clone |
| Tag: | Tag Free |
| Symbol: | Ercc4 |
| Synonyms: | A1606920; Xpf |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |
| Cell Selection: | Neomycin |



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Fully Sequenced ORF: >BC026792
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCCCGCTGTTGGAGTACGAGAGGCAGCAGGTGCTGGAAGTCTCGACAGCGACGGGCTGGTGGTGT
 GTGCCCGGACTCGGCACCGACCGCTCCTCTACCATTTCTGCGGCTTCACTGCCACCGGCCTGCCT
 GGTGCTGGTCTCAACACGCAGCCGGCCGAGGAGGAATTTTTATCAATCAGTTGAAGATAGAAGGAGTT
 GAACATCTCCCTCGACGAGTGACAAATGAAATCGCAAGTAACAGTCGCTATGAAGTCTACACGCAGGGTG
 GTATTATTTGCAACAAGCCGAATACTCGTGGTTGATTTCTTGACAGGTAGAATACCTTCAGATTTAAT
 AACTGGCATCCTCGTGTACAGGGCACACAGAATCATTGAGTCCTGCCAGGAAGCCTTCATCTGCGCCTC
 TTCGCCAGAAAAACAAGCGGGTTCATCAAAGCTTTCACCGACAACGCTGTTGCCTTTGACACTGGCT
 TTTGTCACGTGGAAGAGTGATGCGGAACCTTTTTGTGAGGAAGCTCTACCTGTGGCCAAGTTCATGT
 AGCAGTCAACTATTCTTGAACAACACAAGCCTGAAGTTGTAGAGATTACGCTGTCATGACTCCCGCC
 ATGCTTGGCATTAGACGGCCATACTAGACATCTTAAATGCATGTCTGAAAGAAGTGAATGTACACAAC
 CGTCACTTGAAGTAGAAGATTTGCTACTAGAAAACGCTCTTGGGAAGCCATTCGACAAGACAATCCGCCA
 TTACTTGGACCCTTTGTGGCATCAGCTTGGAGCCAAGACTAAATCCTTGGTGCAGATTTAAAGATACTA
 AGAACCTTACTGCAGTATCTCTCAGTATGATTGTGTTACATTTCTGAATCTTCTGGAATCTCTGAGAG
 CAACAGAGAAGGTGTTGGTTCAGAAATCAGGTTGGCTTTTCTGGATGCTAGCACCTCCATGTTTGTGAA
 TGCTCGTGCCCGAGTTTACCGAGTTCAGATGTCAAATGAACAAAAAGGCCAAAAACATCAGAAAAGACG
 TCGAGTCCAGAAGTTCAAGAAAACAAAAAAGAACTGGTCTAGAGAGCAATCAAAGTGGGAGGCGCTGA
 CTGACGTCCTGAAAGAAAATCGAAGCAGAAAATAAGGAGAGCGAAGCCCTTGGTGGCCAGGCCGGTGTG
 GATCTGTGCAAGCGATGACCGCACGTGCTGCCAGCTGAGAGACTACCTGTCCGCCGGAGCAGAAACCTTC
 CTGCTGCGACTTTATAGGAAAACCTTTGAGAAGGATGGCAAAGCTGAAGAAGTGTGGTAAATGTTAGAA
 AGGGGGACGGCCGAAGAGAACTACAAAATCTGACAAAAGACAAAAGCCGCTCCAAAACAAGGAGCGTGC
 TTCGCCAAAAGGGGGCCCTCTCAAAGGAAGAAGCAAGAGCTGACTCTGACGCAAGTTTTGGGTCC
 GCTGAGGAGCCGCGGAGGACAAGGCTTTGGAGGAAGACCTGTGCAGACAGACCAGTGTAGCCAGAAAG
 GCTGCGGGGTAGAGATTAAGCGTGAATCATTTGATTTAAATGTGTCGCTGATGCGGCCTATGGCATCCT
 GAAAGAGCCCTGACCATCATCCATCCGCTTCTAGGGTGCAGCGACCCCTATGCCCTGACGCGGGTACTG
 CACGAGGTGGAGCCAGATACGTGGTCTGTATGATGCAGAGCTCACCTTTGTTCCCAACTGGAGATCT
 ACAGGGCTAGCAGGCCTGGGAAACCTCTGAGGGTTTACTTTCTTATACGGAGGCTCCACGGAAGAGCA
 GGCTACCTGACTGCTCTGCGGAAAGAAAAGGAAGCCTTTGAAAAGCTCATAAGAGAAAAAGCTAGCATG
 GTTGTCCCGAAGAACGGGAAGGCAGAGATGAGACCAACCTGGACCTAGCAAGAGGCTCAGCAGCCCTGG
 ATGCTCCACGGACACTCGGAAAGCCGGTGGCCAGGAGCAGAAATGGCACCCAGTCCAGCATCGTGGTGG
 CATGCGTGAGTTTCGGAGCGAGCTCCCATCTCTGATCCATCGGCGGGGATTGACATAGAGCCAGTGACT
 CTGGAGGTGGGTGATTACATCCTGACACCTGAGCTGTGTGGAGCGCAAAGTGTGAGCGACCTCATTG
 GCTCGTGCACAGTGGCCGCTGTACAGCCAGTGCCTAGCCATGTCTCGCTACTACCGGAGGCTGTGCT
 GCTCATTGAGTTTGACCCGAGCAAGCCCTTCTCCCTGGCGCCACGAGGTGCCTTCTCCAGGAGATGAGC
 AGCAGCGATGTGAGCTCCAAGCTTACGCTCCTCAGCTTGCACCTTCCCGGCTTTCGGGCTGCTCTGGTGCC
 CCTCACCCACGCCACAGCCGAGCTGTTTGGAGGCTGAAGCAGAAACAAGCCACAGCCTGATGCGGCCAC
 AGCCATGGCCATCACCGCAGACTCAGAGACACTGCCTGAGTCGGACAGATATAACCCCGGCCCCCAAGAC
 TTTGTGCTGAAGATGCCTGGGTCAACGCCAAGAAGTGTGCTCCCTGATGAACCAAGTGAAGAACATCG
 CAGAGCTGGCCACCCTGTCCCTGGAACGACTCACAAACCTCCTGGGGCACTCGGGAATGCCAAGCAGCT
 GCACGACTTCTGCACACTGCCTATGCAGACTTGGTGTCCAAAGGCAGAGTGAGAAAGTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCTGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul
ACCN: BC026792

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| Insert Size: | 2721 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: | BC026792 , AAH26792 |
| RefSeq Size: | 3235 bp |
| RefSeq ORF: | 2720 bp |
| Locus ID: | 50505 |
| Cytogenetics: | 16 A1 |
| Gene Summary: | Catalytic component of a structure-specific DNA repair endonuclease responsible for the 5-prime incision during DNA repair. Involved in homologous recombination that assists in removing interstrand cross-link (By similarity).[UniProtKB/Swiss-Prot Function] |