

Product datasheet for **MC222585**

Ercc4 (NM_015769) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ercc4 (NM_015769) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Ercc4
Synonyms:	A1606920; Xpf
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC222585 representing NM_015769
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGAGCCAGGCCTGTCGGGCGAACGGCGGAGTATGGCGCCGCTGTTGGAGTACGAGAGGCAGCAGGTGC
 TGGAACTGCTCGACAGCGACGGGCTGGTGGTGTGTGCCCGGACTCGGCACCGACCGGCTCCTCTACCA
 TTTCTGCGGCTTCACTGCCACCCGGCCTGCCTGGTGGTGGTCAACACGCAGCCGGCCGAGGAGGAA
 TATTTTATCAATCAGTTGAAGATAGAAGGAGTTGAACATCTCCCTCGACGAGTGACAAATGAAATCGCAA
 GTAACAGTCGCTATGAAGTCTACACGCAGGGTGGTATTATTTGCAACAAGCCGAATACTCGTGGTTGA
 TTTCTTGACAGGTAGAATACCTTCAGATTTAATAACTGGCATCCTCGTGTACAGGGCACACAGAATCATT
 GAGTCCTGCCAGGAAGCCTTCATCCTGCGCCTCTCCGCCAGAAAACAAGCGCGGGTTCATCAAAGCTT
 TCACCGACAACGCTGTTGCCCTTGACACTGGCTTTTGTACGTGGAAGAGTGATGCGGAACCTTTTTGT
 GAGGAAGCTCTACCTGTGGCCAAGTTCATGTAGCAGTCAACTATTCTTGAACAACACAAGCCTGAA
 GTTGTAGAGATTACGTGTCATGACTCCCGCCATGCTTGCCATTACAGACGGCCATACTAGACATCTTAA
 ATGCATGTCTGAAAGAACTGAAATGTCAACAACCCGTCACCTGAAGTAGAAGATTTGTCACTAGAAAACGC
 TCTTGGGAAGCCATTCGACAAGACAATCCGCCATTACTTGGACCTTTGTGGCATCAGCTTGAGGCAAG
 ACTAAATCCTTGGTGCAGGATTTAAGATACTAAGAACCTTACTGCAGTATCTCTCTCAGTATGATTGTG
 TTACATTTCTGAATCTTCTGGAATCTCTGAGAGCAACAGAGAAGGTGTTTGGTCAAGATTCAGGTTGGCT
 TTTCTGGATGCTAGCACCTCCATGTTTGTGAATGCTCGTGCCGAGTTTACCGAGTTCAGATGTCAA
 CTGAACAAAAAGGCCAAAACATCAGAAAAGCGTCGAGTCCAGAAGTTCAAGAAAACAAAAAAGAAGTGG
 TTCTAGAGAGCAATCAAAGTGGGAGCGCTGACTGACGTCTGAAAGAAATCGAAGCAGAAAATGAAGGA
 GAGCGAAGCCCTTGGTGGCCAGGCGGGTGTGATCTGTGCAAGCGATGACCGCACGTGCTGCCAGCTG
 AGAGACTACCTGTCCGCCGAGCAGAAACCTTCTGCTGCGACTTTATAGAAAACCTTTTGAAGAAGATG
 GCAAAGCTGAAGAAGTGTGGTAAATGTTAGAAAGGGGACGGCCGAAGAGAACTACAAAATCTGACAA
 AAGACAAAAGCCGCTCCAAAACAGGAGCGTGTCTCCGCCAAAAGGGGGCCCTCTCAAAGGAAGAAG
 CAAGAGCTGACTCTGACGCAAGTTTGGGGTCCGCTGAGGAGCCGCGGAGGACAAGGCTTTGGAGGAAG
 ACCTGTGCAGACAGACCAGTAGTACCCAGAAGGCTGCGGGTAGAGATTAAGCGTGAATCATTGATTT
 AAATGTGTCGTGATGCGGCCTATGGCATCCTGAAAGAGCCCTGACCATCATCCATCCGCTTCTAGGG
 TGCAGCGACCCCTATGCCCTGACGCGGGTACTGCACGAGGTGGAGCCAGATACGTGGTTCTGTATGATG
 CAGAGCTCACCTTTGTTCCGCAACTGGAGATCTACAGGGCTAGCAGGCCTGGGAAACCTCTGAGGTTTA
 CTTTCTTATATACGGAGGCTCCACGGAAGAGCAGCGCTACCTGACTGCTCTGCGGAAAGAAAAGGAAGCC
 TTTGAAAAGCTCATAAGAGAAAAAGCTAGCATGGTTGTCCCCGAAGAACGGGAAGGCAGAGATGAGACCA
 ACCTGGACCTAGCAAGAGGCTCAGCAGCCCTGGATGCTCCACGGACACTCGGAAAGCCGGTGGCCAGGA
 GCAGAATGGCACCCAGTCCAGCATCGTGGTGGACATGCGTGAGTTTCGGAGCGAGCTCCCATCTCTGATC
 CATCGGCGGGGATTGACATAGAGCCAGTACTCTGGAGGTGGGTGATTACATCTGACACCTGAGCTGT
 GTGTGGAGCGCAAAAGTGTGAGCGACCTCATTGGCTCGCTGCACAGTGGCCGCTGTACAGCCAGTGCCT
 AGCCATGTCTCGCTACTACCGGAGGCCTGTGCTGCTCATTGAGTTTGACCCGAGCAAGCCCTTCCCTG
 GCGCCACGAGGTGCCTTCTCCAGGAGATGAGCAGCAGCGATGTGAGCTCCAAGCTTACGCTCCTCACT
 TGCACTTCCCGCTTTGCGGCTGCTGCTGGTGCCTCACCCACGCCACAGCCGAGCTGTTTGAAGAGCT
 GAAGCAGAACAAGCCACAGCCTGATGCGGCCACAGCCATGGCCATCACCGCAGACTCAGAGACACTGCCT
 GAGTCGGACAGATATAACCCCGGCCCAAGACTTTGTGCTGAAGATGCCTGGGGTCAACGCCAAGAAGT
 GTCGCTCCCTGATGAACCAAGTGAAGAATCGCAGAGCTGGCCACCCTGTCCCTGGAACGACTCACAAC
 CATCCTGGGGCACTCGGGAAATGCCAAGCAGCTGCACGACTTCTGCACACTGCCTATGCAGACTTGGTG
 TCCAAAGGCAGAGTGAGAAAG**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN:	NM_015769
Insert Size:	2754 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:	NM_015769.2 , NP_056584.2
RefSeq Size:	6703 bp
RefSeq ORF:	2754 bp
Locus ID:	50505
UniProt ID:	Q9QZD4
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]