

Product datasheet for **MR211135**

Ercc4 (BC026792) Mouse Tagged ORF Clone

Product data:

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



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ORF Nucleotide Sequence:

>MR211135 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCCCGCTGTTGGAGTACGAGAGGCAGCAGGTGCTGGAAGTCTCGACAGCGACGGGCTGGTGGTGT
 GTGCCCGGACTCGGCACCGACCGCTCTACCATTTCTGCGGCTTCACTGCCACCGGCCTGCCT
 GGTGCTGGTCTCAACACGCAGCCGGCCGAGGAGGAATTTTTATCAATCAGTTGAAGATAGAAGGAGTT
 GAACATCTCCCTCGACGAGTGACAAATGAAATCGCAAGTAAACAGTCGCTATGAAGTCTACACGCAGGGT
 GTATTATTTGCAACAAGCCGAATACTCGTGGTTGATTTCTTGACAGGTAGAATACCTTCAGATTTAAT
 AACTGGCATCCTCGTGTACAGGGCACACAGAATCATTGAGTCTGCCAGGAAGCCTTCATCCTGCGCCTC
 TTCGCCAGAAAAACAAGCGGGTTCATCAAAGCTTTCACCGACAACGCTGTTGCCTTTGACACTGGCT
 TTTGTCACGTGGAAGAGTGATGCGGAACCTTTTTGTGAGGAAGCTCTACCTGTGGCCAAGTTCATGT
 AGCAGTCAACTATTCTTGAACAACACAAGCCTGAAAGTTGTAGAGATTCAGTGTCCATGACTCCCGCC
 ATGCTTGCCATTAGACGGCCATACTAGACATCTTAAATGCATGTCTGAAAGAAGTGAATGTCACAACC
 CGTCACTTGAAGTAGAAGATTTGCTACTAGAAAACGCTCTTGGGAAGCCATTCGACAAGACAATCCGCCA
 TTACTTGGACCTTTGTGGCATCAGCTTGGAGCCAAGACTAAATCCTTGGTGCAGATTTAAAGATACTA
 AGAACCTTACTGCAGTATCTCTCAGTATGATTGTGTTACATTTCTGAATCTTCTGGAATCTCTGAGAG
 CAACAGAGAAGGTGTTGGTTCAGAAATCAGGTTGGCTTTTCTGGATGCTAGCACCTCCATGTTTGTGAA
 TGCTCGTGCCCGAGTTTACCGAGTTCAGATGTCAAATGAACAAAAAGGCCAAAAACATCAGAAAAGACG
 TCGAGTCCAGAAGTTCAAGAAACAAAAAAGAACTGGTCTAGAGAGCAATCAAAGTGGGAGCGCTGA
 CTGACGTCCTGAAAGAAATCGAAGCAGAAAAAAGGAGAGCGAAGCCCTTGGTGGCCAGGCCGGTGGT
 GATCTGTGCAAGCGATGACCGCACGTGCTGCCAGCTGAGAGACTACCTGTCCGCCGAGCAGAAACCTTC
 CTGCTGCGACTTTATAGGAAAACCTTTGAGAAGGATGGCAAAGCTGAAGAAGTGTGGTAAATGTTAGAA
 AGGGGACGGCCGAAGAGAACTACAAAATCTGACAAAAGACAAAAGCCGCTCCAAAACAAGGAGCGTGC
 TTCGCCAAAAGGGGGCCCTCTCAAAGGAAGAAGCAAGAGCTGACTCTGACGCAAGTTTGGGGTCC
 GCTGAGGAGCCGCGGAGGACAAGGCTTTGGAGGAAGACCTGTGCAGACAGACCAGTAGTAGCCAGAAG
 GCTGCGGGGTAGAGATTAAGCGTGAATCATTTGATTTAAATGTGTCGCTGATGCGGCCTATGGCATCCT
 GAAAGAGCCCTGACCATCATCCATCCGCTTCTAGGGTGCAGCGACCCCTATGCCCTGACGCGGGTACTG
 CACGAGGTGGAGCCAGATACGTGGTCTGTATGATGCAGAGCTCACCTTGTTCGCCAACTGGAGATCT
 ACAGGGCTAGCAGGCCTGGGAAACCTCTGAGGGTTTACTTTCTTATATACGGAGGCTCCACGGAAGAGCA
 GCGCTACCTGACTGCTCTGCGGAAAGAAAAGGAAGCCTTTGAAAAGCTCATAAGAGAAAAAGCTAGCATG
 GTTGTCCCGAAGAACGGGAAGGCAGAGATGAGACCAACCTGGACCTAGCAAGAGGCTCAGCAGCCCTGG
 ATGCTCCACGGACACTCGGAAAGCCGGTGGCCAGGAGCAGAAATGGCACCCAGTCCAGCATCGTGGTGG
 CATGCGTGAGTTTCGGAGCGAGCTCCCATCTCTGATCCATCGGCGGGGATTGACATAGAGCCAGTGACT
 CTGGAGGTGGGTGATTACATCCTGACACCTGAGCTGTGTGGAGCGCAAAGTGTGAGCGACCTCATTG
 GCTCGTGCACAGTGGCCGCTGTACAGCCAGTGCCTAGCCATGTCTCGCTACTACCGGAGGCTGTGCT
 GCTCATTGAGTTTGACCCGAGCAAGCCCTTCTCCCTGGCGCCACGAGGTGCCTTCTCCAGGAGATGAGC
 AGCAGCGATGTGAGCTCCAAGCTTACGCTCCTCACCTTGCACTTCCCGGCTTTCGGCTGTCTGGTGCC
 CCTCACCCACGCCACAGCCGAGCTGTTGAGGAGCTGAAGCAGAACAAGCCACAGCCTGATGCGGCCAC
 AGCCATGGCCATCACCGAGACTCAGAGACACTGCCTGAGTCGGACAGATATAACCCCGGCCCCCAAGAC
 TTTGTGCTGAAGATGCCTGGGTCAACGCCAAGAAGTGTGCTCCCTGATGAACCAAGTGAAGAACATCG
 CAGAGCTGGCCACCCTGTCCCTGGAACGACTCACAAACATCCTGGGGCACTCGGGAATGCCAAGCAGCT
 GCACGACTTCTGCACACTGCCTATGCAGACTTGGTGTCCAAAGGCAGAGTGAGAAAAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR211135 protein sequence
 Red=Cloning site Green=Tags(s)

MAPLLEYERQQVLELLDSDGLVVCARGLGTDRLLYHFLRLHCHPACLVLVLTQPAEEEEYFINQKIEGV
 EHLPRRVNTEIASNSRYEYVTQGGIIFATSRILVDFLTGRIPSDLITGILVYRAHRIIESCQEAFILRL
 FRQKNKRGFIKAFDNAVAFDTGFCHEVERVMRNLFVRKLYLWPRFHVAVNSFLEQHKPEVVEIHVSMTPA
 MLAIQTAILDILNACLKELKCHNPSLEVEDLSLENALGKPFDKTIRHYLDPLWHQLGAKTKSLVQDLKIL
 RTLLQYLQYDCVTFLLNLLLESLRATEKVFQNSGWLFLDASTSMFVNARARVYRVPDVKLNKKAKTSEK
 SSPEVQETKKELVLESNPKWEALTDVLKEIEAENKESEALGGPGRVVICASDDRTCCQLRDYLSAGAEF
 LLRLYRKTFEKDGKAAEEVWVNRKGDGPKRTTKSDKRPKAAPNKERASAKRGAPLKRKKQELTLTQVLGS
 AEPPEDKALEEDLCRQTSSEPEGCGVEIKRESFDLNVSSDAAYGILKEPLTIIHPLGCSDPYALTRVL
 HEVEPRYVVLDAELTFVRQLEIYRASRPKPLRVYFLIYGGSTEEQRYLTALRKEKEAFEKLIKREKASM
 VVPEEREGRDETNDLARGSAALDAPTDRKAGGQEQNGTQSSIIVDMREFRSELP SLIHRRGIDIEPVT
 LEVGDYILTPELCVERKVSVDLIGSLHSGRLYSQCLAMSRYYRPLLLIEFDPSKPFSLAPRGAFFQEMS
 SSDVSSKLTLLTLHFPRLLWCSPHATAELFEELKQNKQPDAATAMAITADSETLPESDRYNPQPQD
 FVLKMPGVNAKNCRSLMNQVKNI AELATLSLERLTTILGHSGNAKQLHDFLHTAYADLVSKGRVRK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

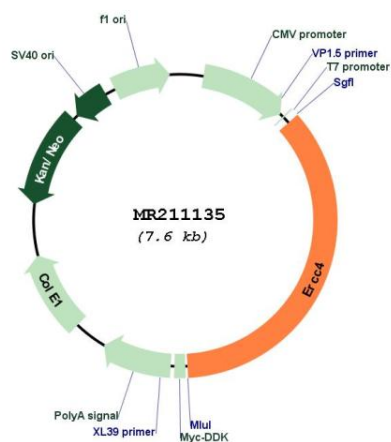
Cloning Scheme:



ACCN: BC026792

ORF Size:	2718 bp
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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
MW:	102.5 kDa
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]

Product images:



Circular map for MR211135