

Product datasheet for MC224026

Erc6l (NM_146235) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Erc6l (NM_146235) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Erc6l
Synonyms:	BC004701; D330021P09Rik
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>MC224026 representing NM_146235 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGAGGCTTCCAAGGCTTAGCGGAAGTGAGACTTTGAGCCACAACGGCCGAGAGTTACCTGAGAT
ATGTGCAAGAAGCAAAGAAGCAGCTAAGAATGGAGATCTGGAAGAATCATTGAACTTTTCAATTTGGC
AAAGGACATTTTTCCACCAAAAAGGTGATGAGCAGAATCCAGAACTCCAGGAAGCTTTGGAGCAGTTG
GCAGAAGAAGAAGATGATGATGAATTTATAGATGTGTGCAGCTCTGGCTTCTGCTTTACCGAGAGCTGT
ATGAGAACTCTTTGAGCACCAGAAAGAAGGCATCGCTTTTCTCTATAGCCTGTATAAGGATGGAAGAAA
AGGGGGCATCTTAGCAGATGATATGGGACTGGGAAGACTGTTCCAGATCATTGCTTTCTGTCCAGGTATG
TTTGATGCTTCACTTGTGAATCATGTGCTATTGATCATGCCAACCAATCTCATTAAATACATGGGTCAACG
AATTTGCCAAGTGGACTCCAGGAATGAGAGTGAAAACCTTTTCATGGCTCCAGCAAGAGTGAAGCAGCTAG
AAGCCTGACACGGATTCAACAAAGGAACGGCGTTGTGATCACTACCTACCAAATGTTACTCAATAATTGG
CAGCAACTTGAAGCTTTAATGGACAAGCATTGTATGGGACTACGTCACTCCTTGATGAAGCCATAAGA
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TTCTGCCTTTACAAGAGGAAATTTATAGGAAGTTGTGTCTTTAGATCACATCAAGGAGTTGTTAATGGA
GACACGCTCACCTTAGCTGAGCTGGGTGCTTAAAGAAGCTCTGTGACCACCTAGGCTGCTGTGCA
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TCTCAAATATGAACAGCATTGATCACTTACCTGACAAAACCTGATACAAGAGTCTGAAAAATGATATT
CTTAATGTCCCTGCTAGAAAGACTTCAAGATGAAGGACATCAAACCTCTGGTGTTTTCTCAGTCGATAAAA
ATTCTCAACATCATCGAGCGTCTCTTAAAGAACAAGCACTTTAAGACATTGCGAATTGATGGCACAGTTA



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CTCATCTTTGGGAACGAGAAAAAGAATTCAGTTATTCCAGCAAAATAAAGAATACTCAGTTTTTCTACT
TACCACTCAAGTAGGTGGTGTGGCCTAACATTAAGTGCAGCGACTAGAGTTGTCATTTTTGACCCTAGC
TGGAAACCTGCAACTGATGCTCAGGCTGTGGATAGAGTTACCGAATTGGCCAAAAAGAGAATGTTGTGG
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GATCAGACAACTACTGGTGAGAAGAAGAACCCATTCCGCTATTTACCAAAACAAGGTTAAAGAGCTC
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TGATTTGATGTTACCCGTGATCTGTCTGTTAAAGAAGAGCTTGACATGCTAGAAGACTCTCAGTACATT
CATCAGAGAGTTCAAAAAGCTCAATTCCTTGTGAATCTGAGTCTCAAAATACAGTGCAAAGACAACGA
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CAACAAACCTCAGCCCCAGCCTTACGCTTCTGACTAAACCTACCCAGGTAGAGGCTATCAGTTCTCAA
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TGCAGACACTAGACAAAACCTCTCCAGCAAGTTTTTGGAAATGTTGAGAAAGAAAAAGCTTGCAAAGC
CCTGCAGCTAACTCCAGGGCAAAGTCAAGCACTTACTCTCAGTTTGGATTCTTCTCCTAAGAGTGTGAAG
AATCAGAAGTGATTAGTGTGAAAACCAAAAGCAAACTAGAAGGATCCTCTCAGATGATGAAGTGAAGA
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CAGGTGAAGTGAATACGTCCTTACATTCTAGGAGTCCCTGGCTTCTAGGAGTCTCTGATCAATGTGGT
TTTAGATGATGTGGAAGATATGGAGGAAAGGCTTGATAACAGCAGCGAGGAGGAGAGTGAAGCAGGGCTT
TCAGAAGAGAACAATGAAGAAGAAGCCTTAGCCTGCACAGAAGAGCAGCCTTCTGGGGCAACACTGGCTT
CAGGAAACAAGTCCAGCAACTTGACCATGTCTGAGCCTACTTCTCCAGCCCCACAAGCTCTCCCTGTGC
TCCTGAACCTTCGTCAGTGACCCTATGCCTGATCCTCCCAGGATCTGGCAGTGGAGGCTGGTAATGAC
TATGAGAGTCTTGATGCTCGTGGGAAAGAACTGAAAGAGTGCGGGAAGATACAGGAGGCTCTCAACTGCT
TAGTTAAAGCACTTGATATAAAAAGTGCAGATCCTGAGGTGATGCTCATGACTTTAAGTTGTATAAGCA
GCTGAACATTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

Sgfl-Mlul

ACCN:

NM_146235

Insert Size:

3723 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:

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_146235.3](#), [NP_666347.2](#)

RefSeq Size: 4198 bp

RefSeq ORF: 3723 bp

Locus ID: 236930

UniProt ID: [Q8BHK9](#)

Cytogenetics: X D

Gene Summary: DNA helicase that acts as an essential component of the spindle assembly checkpoint. Contributes to the mitotic checkpoint by recruiting MAD2 to kinetochores and monitoring tension on centromeric chromatin. Acts as a tension sensor that associates with catenated DNA which is stretched under tension until it is resolved during anaphase. Functions as ATP-dependent DNA translocase. Can promote Holliday junction branch migration (in vitro). [UniProtKB/Swiss-Prot Function]