

Product datasheet for **MR209136**

Ercc6l2 (NM_001013608) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ercc6l2 (NM_001013608) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ercc6l2
Synonyms:	0610007P08Rik; 1700019D06Rik; 9330134C04Rik; Rad26l; Sr278
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR209136 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGACCTCAAATCTGTTAGGAAAAGAAAAGGTACAGATGATATTAGCGATGAGTCTGATGACATTGACA
 TGTTCCCAAGTCAAGAATAAGAAAGCAAAGAGCCACTTCTCCTTGAATTTAAGAGAAAAAGGAAAA
 CAAAAGGAAACTTGATAATTCTCCTGTAAACAGCAAAGGAAGCAAATCAAGTGTGTGCAGCTGATGGAGAC
 CGTAGCTCTCAGGTTATTGAGGATTTTTCATCCTCAGATGACAATTTATCTCTCAGCCACTTGAGTTTCA
 CTAATAAGTACAGAGCAGAACTGTAAAAGATAAAATCAGCTTGCCCCAAGCTGCCTGGCCGAGA
 TAAGAAAAATAACACTTTTATATCAAGAAAACCAAGCTTTCTAAATGAAGGAGTTATCAGTCAAGAG
 CAAATATGCAACTCAATGGATAAAATATTAGATGGTGTTCAGGAAGTGGCTTATATCCACTCAAATCAGA
 ATGTGATCGGCTCAAGCAGAGCTGAGAACCACATGAGCCGATGGGCAACGCGTGTGTGTTGAGTTGAA
 GCAGTTTTCCAGCTCCCTGCTAATGTAGCTGTTTGCAGTTCTAAGACATACAAAACCTCAGTGAAGGCA
 AACATAGTGTCACCTACAGAGAAAGATCAACCACCAAGTATGGAGGCATTTCTCTCCTCTGTACGTAT
 CCCACCCTGTAGTCCAGAAAAAGAAAGATGTATATCGTACTAACCATACTACCTTCATCATTGGAGAAAC
 ACCAAGAGGAATCCGCAGAAAGCAGTTTGAAGAAATGGCCTTCTACTATAAGCTGCCTGTAAAGGAGTTT
 GCTGAACAAGTTACTAGGGCCACATCTGAAGAGCGACAGAAAATGCTCAGAGACTTCTACAGTCTTCAGC
 ACCCAGAGGTAAGGAGTTCTTTGTGAATTCGCTTCAGAAATGATAAAATCTGTCCACAAGAAAGAAAGA
 GAGGGTGAGGAATAAACTAAAGAAAAAGAAATCTCTTTTAAAAGAAAACCCCTCAAATGATAGTACTTTA
 TCATGTTATGATTCCACCAACAAAATGTCTCAAGTTTACAACAGAAAAATATGTGAAGGAAAAATCAGTCA
 GATCTCAGAATCATGTTTTCCATAGAGAAGACACATTTTCTAGTGTGCAGAGATTAACAAAATCACCTGT
 CAGCTTTACTGAAGAGCTTACAGTGTAGAGAAAAGGACCACACCCCAAGGATACCACAACAGTCTTCTGT
 CCAAACAGCAACTCTGAAGCCCTGGAGGACAGCTAGGAAATCCCCAGGACGTGAGTGGGACCTCACAG
 GAGCATGCGGTTCAAGAAACAGACCCTTTTCAAGTTGAGAAACAAAAGGTTAGAAAACCCAGGGTACAG
 AAACACTCCTGAGGATGGCTTACTTGGTACACCTCTATTCTTAAACGACCTCTTAAAAGCCACGGGGAA
 GGTCCCACACAGCTGCCAAAGAAATGTTCTTTCAGGACCTGTGGCAAAGCAAAGCAGAAACCAAAGATT
 TCTGGGACATCTGAATGAGCAGAATGATGACAGTCTCAGCAAACCTACTGACTTGGCAGTGATAGAGAC
 GCTGTGTACAAAGCACCCAGTACCTCAGCCTCCAAAAGGAAAGATGAGCTGGAAGCTTCCCTTTGGAAA
 GCAAACGAGAAGTTTTGTGGAAGACATTAAGCTCAGATGTTGACGATGAAAGCATAAGCAATACAGAGA
 GAGAG

AG**GCGACCG**ACGCGTACGCGGCCGCTCGAGCAGAAAACCTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
 TGGATTACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR209136 protein sequence
 Red=Cloning site Green=Tags(s)

MTSKSVRKRKGTDDISDESDDIDMFPKSRIRKQRATTSLKFKRKKENKRKLDNSPVTAKEANQVCAADGD
 RSSQVIEDFSSDDNLSLSHLSFTKLSHRAETVKDKISLSPKLPKPKKNTFISRKPPSFLNEGVISQE
 QICNSMDKILDGVQEVAYIHSNQNVIGSSRAENHMSRWATRDVFELKQFSQLPANVAVCSSKTYKTQVKA
 NIVSPTEKDQPPSDGGISSPLVYVSHPVVQKKKDVYRTNHTTFIIGETPRGIRRKQFEEMASYYKLPVKEF
 AEQVTRATSEERQKMLRDFYSLQHPEVKEFFVNSASELIKSVHKKEERVRNKSKEKESLLKENPSNDSTL
 SCYDSTNKMSQVYNRICEGKSVRSQNHVHFHREDTFSSDAEINKSPVSFTEELHSERKDHTPKDTTTTVFC
 PNSNSEALEAELGNPGRQWDLTGACGSRNRPLFKLRNKRVENPGSENTPEDGLLGDTSLNDLFSKSHGE
 GPTQLPKNVLSGPVAKAKQPKDFWDILNEQNDDSLSKLTDLAVIETLCTKAPSTSASKRCKDELEASLWK
 ANEKFLWKTLSDDVDDESISNTERE

SGPTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-RsrII

Cloning Scheme:



ACCN: NM_001013608

ORF Size: 1758 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:**
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_001013608.1](#), [NP_001013626.1](#)

RefSeq Size: 5589 bp

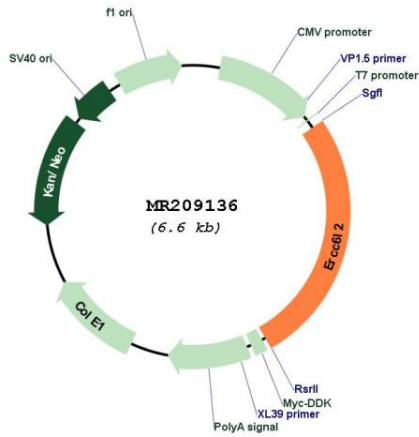
RefSeq ORF: 4614 bp

Locus ID: 76251

UniProt ID: [Q9JIM3](#)

Cytogenetics: 13 B3
 MW: 66.1 kDa
 Gene Summary: May be involved in early DNA damage response.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR209136