

Product datasheet for **MR213567**

Ercc6l2 (NM_023507) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ercc6l2 (NM_023507) 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:

>MR213567 representing NM_023507
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTGCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGACATCTCCGCCCGCAGTCCCGCGCAGACTCCCGCAAAGACAGGTGGTGTCCGGGAGAAAGATGTC
 TTGCTCCATCTTTGGATAACAAAAAGCTTTGTGAAGCAAGCATAAAATCTATTACTGTGGATGGAAATGG
 GAAACCTTTTGCAGTTGTCTGTATCCAGACTTTCAAGAAAAGACAATACCTCTTCAAAGACTTCAAGAA
 GTAAAATCAACTAAAGATTACTCCAGAAGTCTTATATTTGATGATAAAGATTTAGAAAAACCTTATTTCC
 CAGATCGAAAAATTCATCTTTGGCTAGTGCTTTTCAATTATCTGAAGATGGAGACTCAATTCCTTATAC
 TATTAATAGTACTTGCAGATTACCAAAGGGAGGGGGCTCAGTTCCTCTACAGACACTACATAGAGGGG
 AGAGGGTGTATTCTTGGTGTGACATGGGACTTGGAAAAACAATACAGGTTATTTCAATTTCTGGCTGCAG
 TTTTGCATAAAAAAGGAACTCGTGAAGATATTGAAAAAACAATGCCAGAGTTTTTACTAAAAAGTATGAA
 AAGAAGCCGCTTCTACAGCTAAAAAGATGTTCTTAATAGTTGCTCCTTTTCTGTCTCTACAAGTGG
 AAGGATGAATTGGATACCTGGGGATATTTCAAGTACTGTTTTACACGGTAGCAAAAAAGACAATGAGC
 TGCTTCGTTTAAAGCAGAGGAAATGTGAAATTGCTCTGACGACCTATGAAACACTGCGCTTGTGTCTGGA
 GGAGCTTAACAGTTTGAATGGTCAGCTATTATTGTAGATGAAGCTCATAGAATCAAGAATCCAAAAGCC
 CGAGTTACAGAAGTTATGAAGGCTGTGAAGTGAAGTCCGCATTGGCCTCACTGGTACTGTCTTCCAGA
 ACAACATGAAGGAGCTGTGGTGTGTATGGACTGGGCTGTGCCAGGACTTTTAGGTAGCAGGATTCACTT
 CAAGAAGCAATTTCTGACCCAGTGAACATGGCCAGAGACACAGCAACAAAAAGAGAAGCTTGTCTACT
 GGCCGAAAAGCCATGCACAGGCTTGCAAAAAAGATGTCTGGCTGGTTTCTCAGGCGTACCAAGACTTTA
 TCAAGGGCCAGCTGCCTAAGAAAGAAGACCCGGATGGTGTATTGTTCTTTGACAGACTTCCAGAAAGCTGT
 CTACCAAACAGTGTAGAAACAGAAGATGTGGCTCTGATCCTCACATCCTCTCAGCCTTGTACCTGTGGC
 AGTGGCCAGAAGCGCAGAAAGTGTGTTACAAGACCAACTCACGGGTGACACAGTGAGAACCTTGTGCC
 TTAGTTACCTGACTGTGCTTCCAGAAAGTAGCTAACCATGTTGCACTGCTGCAGGCTGCTAGCACCTCCAA
 ACATCAGGAAACAGTTATCAAGAGGATATGTGATCGGGTATTTTCCAGATTCCAGATTTTGTGCAGAAA
 AGCAAAGATGCAGCCTTTGAGACACTTTCTGACCCTAAATATAGTGGGAAAATGAAGTCTCCAGCAGC
 TTTTGAATCATTTTAGGAAACAAAGAGATAAGGTTCTTCTTTTCTTTTCCACCAAGCTGCTGGATGT
 GCTGCAGCAGTACTGTATGGCCTCGGCCTCGATTACCGGCGACTCGATGGAAGCACAAAGTCCGAGGAA
 AGGCTCAAGATTGTGAAGGAGTTAACAGTTCACAAGATGTGAACATTTGTCTTGTCTCCACAATGGCTG
 GTGGACTAGTCTCAATTTTGTGGGGCAACGTTGTTATATTATTTGATCCAACCTGGAATCCAGCCAA
 CGATCTTCAAGCTGTTGACAGAGCGTATAGGATTGGACAGTGTAGAGACGTTAAAGTGTAGGCTAATA
 TCCTTGGGCACAGTGGAGGAGATCATGACTTACGACAAGTCTACAAGCAGCAACTTCACTGTGTGGTGG
 TTGGAAGTAAAAATGCCAAGCGATACTTTGAAGCAGTACAAGGATCAAAAGAACATCGAGGAGAGCTCTT
 TGGTGTCCACAACCTCTTCAAACAAAGTCCCAAGGGTCAATGTCTTACGAGAGACATCCTGGAGGTG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR213567 representing NM_023507
Red=Cloning site Green=Tags(s)

MDISAPQSRADSRKDRWCPGERCLAPSLDNKKLCEASIKSITVDGNGKPFVAVLYPDFQEKTIPLQRLQE
 VKSTKDYSRSLIFDDKDLEKPYFPDRKIPSLASAFQLSEGDSSIPY TINRYLRDYQREGAQLYRHYIEG
 RGCILGDDMGLGKTIQVISFLAAVHLHKKGTREDIENNMPEFLLKSMKKKPPSTAKKMFLIVAPLSVLYNW
 KDELDTWGYFRVTVLHGSKKDNELLRLKQRKCEIALTTYETLRLCLEELNSLEWSAIIIVDEAHRKPNKA
 RVTEVMKAVKCKVRIGLTGTVLQNNMKELWCVMDWAVPGLLGSRIHFKKQFSDPVEHGQRHTATKRELAT
 GRKAMHRLAKKMSGWFLRRTKTLIKGQLPKKEDRMVYCSLTDFQKAVYQTVLETEVALILTSSQPCTCG
 SGQKRRKCCYKTN SRGDTVRTLCLSYLTVLQK VANHVALLQAASSTKHQETVIKRICDRVFSRFPDFVQK
 SKDAAFETLSDPKYSGMKVLLQLLNHFVKQRDKVLLFSFSTKLLDVLQQYCMASGLDYRRLDGSTKSEE
 RLKIVKEFNSSQDVNICLVSTMAGGLGNFVGANVVILFDPTWNPANDLQAVDRAYRIGQCQDRVKVLRILI
 SLGTVVEIMYLRQVYKQQLHCVVVGSENAKRYFEAVQGSKEHRGELFGVHNLFKLRSQGSCLTRDILEV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_023507

ORF Size: 2097 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_023507.4](#)

RefSeq Size: 2735 bp

RefSeq ORF: 2100 bp

Locus ID: 76251

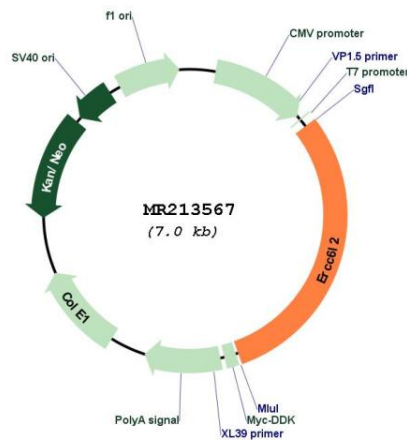
UniProt ID: [Q9JIM3](#)

Cytogenetics: 13 B3

MW: 80.3 kDa

Gene Summary: May be involved in early DNA damage response.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR213567