

## Product datasheet for **RR205043**

### Erlec1 (NM\_001106023) Rat Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Erlec1 (NM_001106023) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Erlec1
Synonyms:	RGD1306508
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

**ORF Nucleotide Sequence:**

>RR205043 representing NM\_001106023  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGGAGGAAGGAGGCGGGCTTGGGAGCCTGGTCCCCGGAGGGCCGCTGTTGCTGGTCTGTACGGTC  
 TCCTGGAGGCGGCCGCCGGCGGCGGAGCCTGCCCCAGCTCAGCGACGACATCCCCTTCGAGTCAACTG  
 GCCCGCACCGAGTTCTCTGCTCACTGAGTTTGTATAAAGAAGATAATTACATCATCATGACA  
 ACTGCACATAAAGAAAAACAAATGTATACTCCGCTTGTGACAAGTGGGGATGAGGAAGAAGAAAAGG  
 ATTACAAAGGCCCAATCCAAGAGAGCTTTTGAACCACTATTTAAACAGAGCAGTTGTTCTACAGAAT  
 TGAGTCTTACTGGACTTATGAAGTATGTCATGGGAAACATATTCGACAGTACCATGAAGAAAAAGAACT  
 GGCCAAAAAGTAAATATTCACGAATACTACCTGGGAATATGTTGGCTAAGAGTCTTCTGTATGAAAAAG  
 AACAAGCAAAAGAAAAAGAGAAGTCAAATGAGATTCCTACTAAAAACATTGAAGGTCAGATGACACCCTA  
 CTATCCTGTGGGAATGGGAAATGGTACACCTTGTAGTCTGAAACAAAATCGACCCAGATCAAGTACTGTG  
 ATGTACATATGCCATCCTGAGTCTAAGCATGAAATCCTTTTCAGTAGCTGAAGTTACAACCTGTGAATATG  
 AAGTTGTCATTTTGACACCACTCTGTGACGCCATCCTAAGTACAAGTTCAGAGCCTCTCCTGTGAATGA  
 CATATTCTGTCAATCACTGCCGGGATCTCCATTTAAACCCCTCACTCTAAGACAGTTGGAGCAACAGGAA  
 GAGATACTGAGGGTGCCATTTAGGAGAAAATAAGAGGAAGATTTGTCATCTGCTAAAGAAGAGAGATTTT  
 CAGCCATTCACAAACCTATTGCTGTTGGCTCTCAGCCAGTGCTCACTGTTGGAACAACCCACATTTCCAA  
 GCTGACAGATGACCAGCTCATAAAGGAGTTCCTAAGTGGTCTTACTGCTTTCATGGGGGTGTTGGTTGG  
 TGGAAATATGAATCTGCTATGGCAAGCATGTACATCAGTATCATGAGGACAAAGATAATGGGAAAACCT  
 CTGTAGTTGTGGGACATGGAACCAAGAAGAGCATGTTGAGTGGGCTAAGAAAAACACTGTAGAGCTTA  
 TCATCTTCAAGACGATGGCACCCAGACAGTCAAGATGGTGTACATTTTTATGGAATGGGGATATTTGT  
 GATATACTGACAAACCCAGACAGGTGACTGTAATACTAAAGTGTAAAGATCAGATTCTCCTCATGCTG  
 TTAAGTATATGCTTGAAGCCTCACTCCTGCCAGTATATTCTTGGGGTTGAATCTCCAGTAATCTGTAA  
 AATTCTAGATACAGCTGATGAAATGGACTTCTTTCTCTCCCAAT

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RR205043 representing NM\_001106023  
 Red=Cloning site Green=Tags(s)

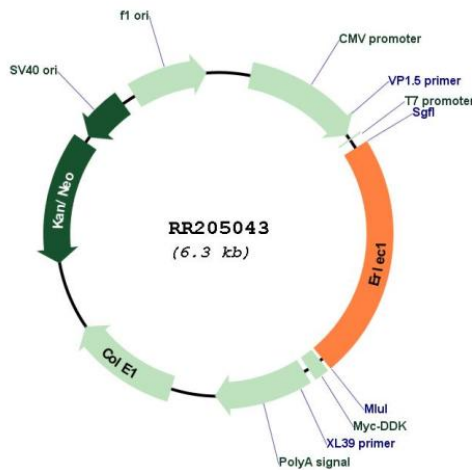
MEEGGGLRSLVPGGPLLLVLYGLLEAAAGGRALPQLSDDIPFRVNWPGTEFSLPTTGVLKEDNYIIMT  
 TAHKEYKICILPLVTSGDEEEEDYKGNPRELLEPLFKQSSCSYRIESYWTYEVCHGKHIRQYHEEKET  
 GQKVNIEHYLLGNMLAKSLLEYEQAQEKESNEIPTKNIEGQMPYYPVGMNGTGPCSLKQNRPRSSTV  
 MYICHPEKHEILSVAEVTTCYEYVILTPLLCSHPKYKFRASPVNDIFCQSLPGSPFKPLTLRQLEQQE  
 EILRVPFRRNKEEDLSSAKEERFPAIHKPIAVGSQPVLTVGTTTHISKLDDQLIKEFLSGSYCFHGGVGV  
 WKYEFYCYGKHVHQYHEDKDNGKTSVVVGTWNQEEHVWAKKNTARAYHLQDDGTQTVRMVSHFYGNNDIC  
 DITDKPRQVTVKLKCKESDSPHAVTVYMLEPHSCQYILGVEVSPVICKILDTADENGLLSLNP

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**

**Plasmid Map:**

**ACCN:**

NM\_001106023

**ORF Size:**

1446 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\\_001106023.1](#), [NP\\_001099493.2](#)

**RefSeq Size:** 1874 bp

**RefSeq ORF:** 1449 bp

**Locus ID:** 289874

**Cytogenetics:** 14q22

**MW:** 54.7 kDa