

Product datasheet for **MC216626**

Erg (NM_133659) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Erg (NM_133659) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Erg
Synonyms:	D030036124Rik
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC216626 representing NM_133659
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGATCCAGACTGTACCTGACCCAGCAGCTCATATTAAGGAGGCCTTGTCAGTTGTGAGCGAGGACCAGT
 CACTATTTGAGTGTGCCTACGGAACGCCACACCTGGCTAAGACAGAGATGACCGCATCCTCTCCAGTGA
 CTATGGCCAGACATCCAAGATGAGTCCCAGAGTCCCTCAGCAGGACTGGCTGTCTCAAGCCCCAGCCAGG
 GTCACCATCAAGATGGAGTGCAACCCTAGTCAGGTGAATGGTTCCAGGAACTCACCTGATGAGTGCAGTG
 TGAACAAAGGTGGGAAGATGGTGGGCAGCCGGATACTGTGGGGATGAGCTACGGCAGCTACATGGAGGA
 GAAGCATGTGCCGCTCCAATATGACCACAAATGAGCGCAGAGTGATCGTCCCTGCAGATCCTACTCTG
 TGGAGCACAGACCATGTCCGACAGTGGTGGAGTGGGCGGTGAAAGAATATGGCCTCCTCGATGTGGACG
 TCTTACTATTTTCAAGATATCGATGGGAAGGAGCTGTGCAAGATGACAAAGGATGACTTCCAGCGGCTCAC
 GCCGAGCTACAATGCCGACATTCTCTCTCACATCTCCACTACCTCAGAGAGACTCCCCTCCACATCTG
 ACTTCCGATGACGTTGATAAGGCTTTACAAAACCTCCACGGTTAATGCATGCCAGAAACACAGGGGGTG
 CAGCTTTTATTTCCAAATACTTCAGTATATCCCGAAGCTACGCAAAGAATTACAACCTAGGCCAGATTT
 ACCTTATGAGCCTCCCAGGAGATCAGCCTGGACCGGCCACAGCCACCTCACCCCTCAGTCCAAAGCTGCT
 CAGCCATCTCCCTCTGCAGTGCCAAAACCTGAAGACCAGCGTCCCTCAGTTAGATCCTTACCAGATCCTGG
 GACCGACCAGTAGCCGCTTGCTAATCCAGGTAGTGGCCAGATCCAGCTGTGGCAGTTCTGTCTCGAACT
 CCTGTGACAGCTCCAACCTCCAACCTGCATCACCTGGGAAGGCACCAACGGGGAGTTCAAGATGACAGAC
 CCGGACGAGGTGGCTCGGCGCTGGGGGGAGAGGAAGAGCAAGCCCAACATGAACTATGACAAGCTCAGCC
 GCGCCCTCCGCTACTACTACGACAAAAACATCATGACCAAGGTGCACGGGAAGCGCTACGCCTACAAGTT
 TGACTTCCACGGGATTGCCAGGCCCTGCAGCCCCACCCTCCTGAGTCGTCCCTGTACAAGTACCCCTCC
 GACCTGCCATACATGGGCTCCTATCACGCCACCCCCAGAAGATGAACTTTGTGTCTCCCCACCCTCCC
 CTCTCCAGTCACATCTTCCAGTTTCTTTGCTTCCCCGAACCCATACTGGAATTCACCGACTGGGGGCAT
 CTACCCGAACACTAGGCTCCAGCCAGCCATATGCCCTCTCACCTGGGCACCTACTACTAG

ACCGGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-Mlul
- ACCN:** NM_133659
- Insert Size:** 1461 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_133659.3](#), [NP_598420.1](#)

RefSeq Size: 3259 bp

RefSeq ORF: 1461 bp

Locus ID: 13876

UniProt ID: [P81270](#)

Cytogenetics: 16 56.04 cM

Gene Summary: Transcriptional regulator. May participate in transcriptional regulation through the recruitment of SETDB1 histone methyltransferase and subsequent modification of local chromatin structure.[UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (1) encodes the longest isoform (1).