

Product datasheet for **MC227908**

Erg (NM_001302153) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Erg (NM_001302153) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Erg
Synonyms:	D030036124Rik
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

Fully Sequenced ORF: >MC227908 representing NM_001302153
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCCAGCACTATTAAGGAGGCCTTGTCAAGTGTGAGCGAGGACCAGTCACTATTTGAGTGTGCCTACG
 GAACGCCACACCTGGCTAAGACAGAGATGACCGCATCCTCTCCAGTGACTATGGCCAGACATCCAAGAT
 GAGTCCCAGAGTCCCTCAGCAGGACTGGCTGTCTCAAGCCCCAGCCAGGGTCACCATCAAGATGGAGTGC
 AACCTAGTCAGGTGAATGGTTCAGGAACTCACCTGATGAGTGCAGTGTGAACAAAGGTGGGAAGATGG
 TGGGCAGCCCGGATACTGTGGGGATGAGCTACGGCAGCTACATGGAGGAGAAGCATGTGCCGCCCTCCAA
 TATGACCACAAATGAGCGCAGAGTATCGTCCCTGCAGATCCTACTCTGTGGAGCACAGACCATGTCCGA
 CAGTGGCTGGAGTGGCGGTGAAAGAATATGGCCTCCTCGATGTGGACGCTTACTATTTTCAGAATATCG
 ATGGGAAGGAGCTGTGCAAGATGACAAAGGATGACTTCCAGCGGCTCACGCCGAGCTACAATGCCGACAT
 TCTTCTCTCACATCTCCACTACCTCAGAGAGACTCCCCTTCCACATCTGACTTCCGATGAGCTTGATAAG
 GCTTTACAAAACCTCTCCACGGTTAATGCATGCCAGAAACACAGGGGGTGCAGCTTTTATTTCCCAAATA
 CTTTCAGTATATCCGAAGCTACGCAAAGAATTACAACCTAGGCCAGATTTACCTTATGAGCCTCCCAGGAG
 ATCAGCCTGGACCGGCCACAGCCACCTCACCCCTCAGTCCAAAGCTGCTCAGCCATCTCCCTCTGCAGTG
 CCCAAAACCTGAAGACCAGCGTCTCAGTTAGATCCTTACCAGATCCTGGGACCGACAGTACCGCCCTTG
 CTAATCCAGGTAGTGGCCAGATCCAGCTGTGGCAGTTCCTGCTCGAACTCCTGTGACAGCTCCAACCTC
 CAACTGCATCACCTGGGAAGGCACCAACGGGGAGTTCAAGATGACAGACCCGGACGAGGTGGCTCGGCGC
 TGGGGGGAGAGGAAGAGCAAGCCCAACATGAACTATGACAAGCTCAGCCGCGCCCTCCGCTACTACTACG
 ACAAAAACATCATGACCAAGGTGCACGGGAAGCGCTACGCCTACAAGTTTGACTTCCACGGGATTGCCCA
 GGCCCTGCAGCCCCACCCTCCTGAGTCGTCCTGTACAAGTACCCTCCGACCTGCCATACATGGGCTCC
 TATCACGCCACCCCCAGAAGATGAACTTTGTGTCTCCACCCCTCCCGCTCTCCAGTACATCTTCCA
 GTTTCTTTGCTTCCCGAACCCATACTGGAATTCACCGACTGGGGGCATCTACCCGAACACTAGGCTCCC
 AGCCAGCCATATGCCCTCACCTGGGCACCTACTACTAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-Mlul
- ACCN:** NM_001302153
- Insert Size:** 1440 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).
- OTI Annotation:** Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
- 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_001302153.1](#), [NP_001289082.1](#)

RefSeq Size: 3190 bp

RefSeq ORF: 1440 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 (3) uses a downstream alternate 5'-terminal exon which reflects use of an alternate promoter supported by epigenetic data, compared to variant 1. The encoded isoform (3) is shorter and has a distinct N-terminus compared to isoform 1.