

## Product datasheet for **MC227823**

### **Erg (NM\_001302152) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Erg (NM_001302152) 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:** >MC227823 representing NM\_001302152  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGATCCAGACTGTACCTGACCCAGCAGCTCATATTAAGGAGGCCTTGTGAGTTGTGAGCGAGGACCAGT  
 CACTATTTGAGTGTGCCTACGGAACGCCACACCTGGCTAAGACAGAGATGACCGCATCCTCTCCAGTGA  
 CTATGGCCAGACATCCAAGATGAGTCCCAGAGTCCCTCAGCAGGACTGGCTGTCTCAAGCCCCAGCCAGG  
 GTCACCATCAAGATGGAGTGCAACCCTAGTCAGGTGAATGGTTCCAGGAACTCACCTGATGAGTGCAGTG  
 TGAACAAAGGTGGGAAGATGGTGGGCAGCCGGATACTGTGGGGATGAGCTACGGCAGCTACATGGAGGA  
 GAAGCATGTGCCGCTCCAATATGACCACAAATGAGCGCAGAGTGATCGTCCCTGCAGATCCTACTCTG  
 TGGAGCACAGACCATGTCCGACAGTGGCTGGAGTGGGCGGTGAAAGAATATGGCCTCCTCGATGTGGACG  
 TCTTACTATTTTCAAGATATCGATGGGAAGGAGCTGTGCAAGATGACAAAGGATGACTTCCAGCGGCTCAC  
 GCCGAGTACAATGCCGACATTCTCTCTCACATCTCCACTACCTCAGAGAGACTCCCCTCCACATCTG  
 ACTTCCGATGACGTTGATAAGGCTTTACAAAACCTCCACGGTTAATGCATGCCAGAAACACAGATTAC  
 CTTATGAGCCTCCAGGAGATCAGCCTGGACCGGCCACAGCCACCTCACCCCTCAGTCCAAGCTGCTCA  
 GCCATCTCCCTCTGCAGTGCCAAAACCTGAAGACCAGCGTCCTCAGTTAGATCCTTACCAGATCCTGGGA  
 CCGACCACTAGCCGCTTGCTAATCCAGGTAGTGGCCAGATCCAGCTGTGGCAGTTTCTGCTCGAACTCC  
 TGTGACAGCTCCAACCTCCAACCTGCATCACCTGGGAAGGCACCAACGGGGAGTTCAAGATGACAGACCC  
 GGACGAGGTGGCTCGGCGCTGGGGGAGAGGAAGCAAGCCCAACATGAACTATGACAAGCTCAGCCGC  
 GCCCTCCGCTACTACTACGACAAAACATCATGACCAAGGTGCACGGGAAGCGCTACGCCTACAAGTTTG  
 ACTTCCACGGGATTGCCAGGCCCTGCAGCCCCACCCTCCTGAGTCGTCCCTGTACAAGTACCCCTCCGA  
 CCTGCCATACATGGGCTCCTATCACGCCACCCCAAGAGATGAACTTTGTGTCTCCCCACCCCTCCGCT  
 CTCCCAGTCACATCTTCCAGTTTCTTGTCTCCCGAACCATACTGGAATTCACCGACTGGGGCATCT  
 ACCCGAACACTAGGCTCCAGCCAGCCATATGCCCTCTCACCTGGGCACCTACTACTAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-Mlul
- ACCN:** NM\_001302152
- Insert Size:** 1389 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\\_001302152.1](#), [NP\\_001289081.1](#)

**RefSeq Size:** 3283 bp

**RefSeq ORF:** 1389 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 (2) has a longer 5' UTR and lacks an alternate in-frame exon in the 3' coding region, compared to variant 1. The encoded isoform (2) is shorter compared to isoform 1.