

## Product datasheet for **MC227789**

### Erg (NM\_001302154) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Erg (NM_001302154) 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:** >MC227789 representing NM\_001302154  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGCCAGCACTATTAAGGAGGCCTTGTCACTTGTGAGCGAGGACCAGTCACTATTTGAGTGTGCCTACG  
 GAACGCCACACCTGGCTAAGACAGAGATGACCGCATCCTTCCAGTGACTATGGCCAGACATCCAAGAT  
 GAGTCCCAGAGTCCCTCAGCAGGACTGGCTGTCTCAAGCCCCAGCCAGGGTCACCATCAAGATGGAGTGC  
 AACCTAGTCAGGTGAATGGTCCAGGAACTCACCTGATGAGTGCAGTGTGAACAAAGGTGGGAAGATGG  
 TGGGCAGCCCGGATACTGTGGGGATGAGCTACGGCAGCTACATGGAGGAGAAGCATGTGCCGCCCTCCAA  
 TATGACCACAAATGAGCGCAGAGTATCGTCCCTGCAGATCCTACTCTGTGGAGCACAGACCATGTCCGA  
 CAGTGGCTGGAGTGGCGGTGAAAGAATATGGCCTCCTCGATGTGGACGCTTACTATTTTTCAGAATATCG  
 ATGGGAAGGAGCTGTGCAAGATGACAAAGGATGACTTCCAGCGGCTCACGCCGAGCTACAATGCCGACAT  
 TCTTCTCTCACATCTCCACTACCTCAGAGAGACTCCCCCTCCACATCTGACTTCCGATGACGTTGATAAG  
 GCTTTACAAAACCTCCACGGTTAATGCATGCCAGAAACACAGGGGGTGCAGCTTTTATTTTCCCAAATA  
 CTTTCAGTATATCCGAAGCTACGCAAAGAATTACAACCTAGGCCAGCTGCTCAGCCATCTCCCTCTGCAGT  
 GCCAAAACCTGAAGACCAGCGTCTCAGTTAGATCCTTACCAGATCCTGGGACCGACAGTAGCCGCCTT  
 GCTAATCCAGGTAGTGGCCAGATCCAGCTGTGGCAGTTCTCTGCTCGAACTCCTGTGACAGACTCCAAC  
 CCAACTGCATCACCTGGGAAGGCACCAACGGGGAGTTCAGATGACAGACCCGGACGAGGTGGCTCGGCG  
 CTGGGGGAGAGGAAGAGCAAGCCCAACATGAACTATGACAAGCTCAGCCGCGCCTCCGCTACTACTAC  
 GACAAAAACATCATGACCAAGGTGCACGGGAAGCGCTACGCCTACAAGTTTGACTTCCACGGGATTGCC  
 AGGCCCTGCAGCCCCACCTCCTGAGTCGTCCCTGTACAAGTACCCTCCGACCTGCCATACATGGGTC  
 CTATCACGCCACCCCCAGAAGATGAACTTTGTGTCTCCACCCCTCCCGCTCTCCAGTCACATCTTCC  
 AGTTTCTTTGCTTCCCCGAACCCATACTGGAATTCACCGACTGGGGCATCTACCCGAACCTAGGCTCC  
 CAGCCAGCCATATGCCCTCTCACCTGGGCACCTACTACTAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-Mlul
- ACCN:** NM\_001302154
- Insert Size:** 1371 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\\_001302154.1](#), [NP\\_001289083.1](#)

**RefSeq Size:** 3121 bp

**RefSeq ORF:** 1371 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 (4) uses a downstream alternate 5'-terminal exon which reflects use of an alternate promoter supported by epigenetic data, and lacks an alternate in-frame exon in the 3' coding region, compared to variant 1. The encoded isoform (4) is shorter and has a distinct N-terminus compared to isoform 1.