

## Product datasheet for **MC227829**

### Erg (NM\_001302179) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Erg (NM_001302179) 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:** >MC227829 representing NM\_001302179  
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGATCCAGACTGTACCTGACCCAGCAGCTCATATTAAGGAGGCCTTGTGAGTTGTGAGCGAGGACCAGT  
CACTATTTGAGTGTGCCTACGGAACGCCACACCTGGCTAAGACAGAGATGACCGCATCCTCTCCAGTGA  
CTATGGCCAGACATCCAAGATGAGTCCCAGAGTCCCTCAGCAGGACTGGCTGTCTCAAGCCCCAGCCAGG  
GTCACCATCAAGATGGAGTGCAACCCTAGTCAGGTGAATGGTTCCAGGAACCTCACCTGATGAGTGCAGTG  
TGAACAAAGGTGGGAAGATGGTGGGCAGCCGGATACTGTGGGGATGAGCTACGGCAGCTACATGGAGGA  
GAAGCATGTGCCGCTCCAATATGACCACAAATGAGCGCAGAGTGATCGTCCCTGCAGATCCTACTCTG  
TGGAGCACAGACCATGTCCGACAGTGGCTGGAGTGGGCGGTGAAAGAATATGGCCTCTCGATGTGGACG  
TCTTACTATTTTCAAGATATCGATGGGAAGGAGCTGTGCAAGATGACAAAGGATGACTTCCAGCGGCTCAC  
GCCGAGCTACAATGCCGACATTCTCTCTCACATCTCCACTACCTCAGAGAGACTCCCCTCCACATCTG  
ACTTCCGATGACGTTGATAAGGCTTTACAAAACCTCCACGGTTAATGCATGCCAGAAACACAGGGGGTG  
CAGCTTTTATTTCCAAATACTTCAGTATATCCCGAAGCTACGCAAAGAATTACAACTAGGCCAGCTGC  
TCAGCCATCTCCCTCTGCAGTGGCCAAAACCTGAAGACCAGCGTCCCTCAGTTAGATCCTTACCAGATCCTG  
GGACCGACCAGTAGCCGCTTGCTAATCCAGGTAGTGGCCAGATCCAGCTGTGGCAGTTCCTGCTCGAAC  
TCCTGTCAGACAGCTCCAACCTCAACTGCATCACCTGGGAAGGCACCAACGGGGAGTTCAAGATGACAGA  
CCCGGACGAGGTGGCTCGGCGCTGGGGGAGAGGAAGAGCAAGCCCAACATGAACTATGACAAGCTCAGC  
CGCGCCCTCCGCTACTACTACGACAAAAACATCATGACCAAGGTGCACGGGAAGCGCTACGCCTACAAGT  
TTGACTTCCACGGGATTGCCAGGCCCTGCAGCCCCACCCTCTGAGTCGTCCCTGTACAAGTACCCCTC  
CGACCTGCCATACATGGGCTCCTATCACGCCACCCCCAGAAGATGAACTTTGTGTCTCCCACCCCTCCC  
GCTCTCCAGTCACATCTTCCAGTTTCTTGTCTCCCCGAACCCATACTGGAATTCACCGACTGGGGGCA  
TCTACCGAACACTAGGCTCCAGCCAGCCATATGCCCTCTCACCTGGGCACCTACTACTAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** Sgfl-Mlul

**ACCN:** NM\_001302179

**Insert Size:** 1392 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\\_001302179.1](#), [NP\\_001289108.1](#)

**RefSeq Size:** 3190 bp

**RefSeq ORF:** 1392 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 (5) lacks an alternate in-frame exon in the 3' coding region, compared to variant 1. The encoded isoform (5) is shorter compared to isoform 1.