

Product datasheet for MC227711

Erg (NM_001302183) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Erg (NM_001302183) Mouse Untagged Clone
Tag: Tag Free
Symbol: Erg
Synonyms: D030036I24Rik
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC227711 representing NM_001302183
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGATCCAGACTGTACCTGACCCAGCAGCTCATATTAAGGAGGCCTTGTCAGTTGTGAGCGAGGACCAGT
 CACTATTTGAGTGTGCCTACGGAACGCCACACCTGGCTAAGACAGAGATGACCGCATCCTCTCCAGTGA
 CTATGGCCAGACATCCAAGATGAGTCCCAGAGTCCCTCAGCAGGACTGGCTGTCTCAAGCCCCAGCCAGG
 GTACCATCAAGATGGAGTGCAACCCTAGTCAGGTGAATGGTTCCAGGAACTCACCTGATGAGTGCAGTG
 TGAACAAAGGTGGGAAGATGGTGGGCAGCCGGATACTGTGGGGATGAGCTACGGCAGCTACATGGAGGA
 GAAGCATGTGCCGCTCCAATATGACCACAAATGAGCGCAGAGTGATCGTCCCTGCAGATCCTACTCTG
 TGGAGCACAGACCATGTCCGACAGTGGCTGGAGTGGGCGGTGAAAGAATATGGCCTCCTCGATGTGGACG
 TCTTACTATTTGAGAATATCGATGGGAAGGAGCTGTGCAAGATGACAAAGGATGACTTCCAGCGGCTCAC
 GCCGAGCTACAATGCCGACATTCTTCTCACATCTCCACTACCTCAGAGAGACTCCCCTCCACATCTG
 ACTTCCGATGACGTTGATAAGGCTTTACAAAACCTCCACGGTTAATGCATGCCAGAAACACAGCTGCTC
 AGCCATCTCCCTCTGCAGTGCCCAAACTGAAGACCAGCTCCTCAGTTAGATCCTTACCAGATCCTGGG
 ACCGACCAGTAGCCGCTTGCTAATCCAGGTAGTGGCCAGATCCAGCTGTGGCAGTTCTGCTCGAACTC
 CTGTCCAGACAGCTCCAACCTCCAACCTGCATCACCTGGGAAGGCACCAACGGGGAGTTCAAGATGACAGACC
 CGGACGAGGTGGCTCGGCGCTGGGGGGAGAGGAAGAGCAAGCCCAACATGAACTATGACAAGCTCAGCCG
 CGCCCTCCGCTACTACTACGACAAAAACATCATGACCAAGGTGCACGGGAAGCGCTACGCCTACAAGTTT
 GACTTCCACGGGATTGCCAGGCCCTGCAGCCCCACCCTCCTGAGTCGTCCCTGTACAAGTACCCCTCCG
 ACCTGCCATACATGGGCTCCTATCACGCCACCCCGAAGATGAACTTTGTGTCTCCCCACCCTCCCGC
 TCTCCAGTCACATCTTCCAGTTCTTTGCTTCCCCGAACCATACTGGAATTCACCGACTGGGGGCATC
 TACCCGAACACTAGGCTCCAGCCAGCCATATGCCCTCTCACCTGGGCACCTACTACTAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



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Restriction Sites:	Sgfl-Mlul
ACCN:	NM_001302183
Insert Size:	1320 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:	<ol style="list-style-type: none">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:	<u>NM_001302183.1</u> , <u>NP_001289112.1</u>
RefSeq Size:	3118 bp
RefSeq ORF:	1320 bp
Locus ID:	13876
UniProt ID:	<u>P81270</u>
Cytogenetics:	16 56.04 cM
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (6) lacks two alternate in-frame exons in the 3' coding region, compared to variant 1. The encoded isoform (6) is shorter compared to isoform 1.</p>