

## Product datasheet for MR229922

### Erg (NM\_001302183) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Erg (NM\_001302183) Mouse Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Erg  
**Synonyms:** D030036I24Rik  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**ORF Nucleotide Sequence:** >MR229922 representing NM\_001302183  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGATCCAGACTGTACCTGACCCAGCAGCTCATATTAAGGAGGCCTTGTCAGTTGTGAGCGAGGACCAGT  
 CACTATTTGAGTGTCCACGGAACGCCACACCTGGCTAAGACAGAGATGACCGCATCCTCTCCAGTGA  
 CTATGGCCAGACATCCAAGATGAGTCCCAGAGTCCCTCAGCAGGACTGGCTGTCTCAAGCCCAGCCAGG  
 GTACCATCAAGATGGAGTGCAACCCTAGTCAGGTGAATGGTTCCAGGAACTCACCTGATGAGTGCAGTG  
 TGAACAAAGGTGGGAAGATGGTGGGCAGCCGGATACTGTGGGGATGAGCTACGGCAGCTACATGGAGGA  
 GAAGCATGTGCCGCTCCAATATGACCACAAATGAGCGCAGAGTGATCGTCCCTGCAGATCCTACTCTG  
 TGGAGCACAGACCATGTCCGACAGTGGCTGGAGTGGGCGGTGAAAGAATATGGCCTCCTCGATGTGGACG  
 TCTTACTATTTGAGAATATCGATGGGAAGGAGCTGTGCAAGATGACAAAGGATGACTTCCAGCGGCTCAC  
 GCCGAGCTACAATGCCGACATTCTTCTCACATCTCCACTACCTCAGAGAGACTCCCCTCCACATCTG  
 ACTTCCGATGACGTTGATAAGGCTTTACAAAACCTCCACGGTTAATGCATGCCAGAAACACAGCTGCTC  
 AGCCATCTCCCTCTGCAGTGCCCAAAACTGAAGACCAGCTCCTCAGTTAGATCCTTACCAGATCCTGGG  
 ACCGACCAGTAGCCGCTTGCTAATCCAGGTAGTGGCCAGATCCAGCTGTGGCAGTTCTGCTCGAACTC  
 CTGTCCAGACAGCTCCAACCTCCAACCTGCATCACCTGGGAAGGCACCAACGGGGAGTTCAAGATGACAGACC  
 CGGACGAGGTGGCTCGGCGCTGGGGGGAGAGGAAGAGCAAGCCCAACATGAACTATGACAAGCTCAGCCG  
 CGCCCTCCGCTACTACTACGACAAAAACATCATGACCAAGGTGCACGGGAAGCGCTACGCCATACAAGTTT  
 GACTTCCACGGGATTGCCAGGCCCTGCAGCCCCACCCTCCTGAGTCGTCCCTGTACAAGTACCCCTCCG  
 ACCTGCCATACATGGGCTCCTATCACGCCACCCCGAAGATGAACTTTGTGTCTCCCCACCCTCCCGC  
 TCTCCAGTCACATCTTCCAGTTTCTTTGCTTCCCCGAACCATACTGGAATTCACCGACTGGGGGCATC  
 TACCCGAACACTAGGCTCCAGCCAGCCATATGCCCTCTCACCTGGGCACCTACTAC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA



**Protein Sequence:** >MR229922 representing NM\_001302183  
 Red=Cloning site Green=Tags(s)

MIQTVDPAAHIKEALSVMSEDSQLFECAYGTPHLAKTEMTASSSSDYGQTSKMSPRPVQQDWLSQAPAR  
 VTIKMECNPSQVNGSRNSPDECSVNKGGKMGVSPDVTGMSYGSYMEEKHVPPNMTNERRVIVPADPTL  
 WSTDHVRQWLEWAVKEYGLLDVDVLLFQNIIDGKELCKMTKDDFQRLTPSYNADILLSHLHYLRETPLPHL  
 TSDDVDKALQNSPRLMHARNTAAQSPSAVPKTEDQRPQLDPYQILGPTSSRLANPGSGQIQLWQFLEL  
 LSDSSNSNCITWEGTNGEFKMTDPDEVARRWGERKSKPNMNYDKLSRALRYYYDKNIMTKVHGKRYAYKF  
 DFHGIAQALQPHPPSSLKYPSDLPYMGSYHAHPQKMNMFVSPHPPALPVTSSFFASPNPYWNSPTGGI  
 YPNTRLPAHMPHSLGTYT

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

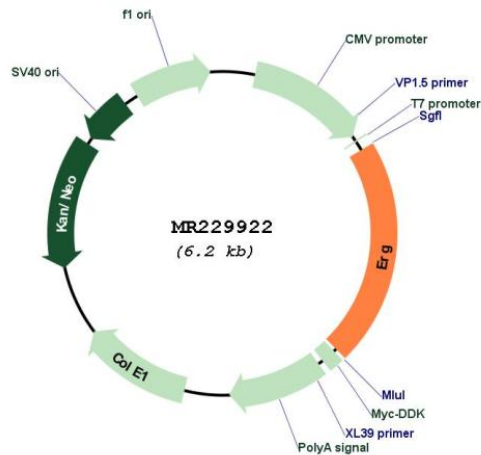
**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_001302183

<b>ORF Size:</b>	1317 bp
<b>OTI Disclaimer:</b>	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_001302183.1</a> , <a href="#">NP_001289112.1</a>
<b>RefSeq Size:</b>	3118 bp
<b>RefSeq ORF:</b>	1320 bp
<b>Locus ID:</b>	13876
<b>UniProt ID:</b>	<a href="#">P81270</a>
<b>Cytogenetics:</b>	16 56.04 cM
<b>MW:</b>	49.8 kDa
<b>Gene Summary:</b>	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]