

Product datasheet for MC215823

Eral1 (NM_022313) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Eral1 (NM_022313) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Eral1
Synonyms:	2610524P08Rik; 9130407C09Rik; AU019798; Era; M-ERA; MERA-S; MERA-W
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>MC215823 representing NM_022313 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGCTGCCCCAGGCGGTACTGCGCTGGGCTCGTTCGGGCTTGTAGGGGCCGACAGGTGGTTCCG
ATGCAGGGAGGGAATGGCTTGCCTCGCCGGCTGTCTTCTAGGTAACCAGCGAGGTGCGTGTCTGTGT
CGTGGGCTCCACTTTCTCTGGTCCCTCCTGGCCTCGGCTCTAGTCGTTATGGTCAGGACTCCGCCTTG
GACCGTATCCTTGATTTTCTCAGCCTGACAGTTCGTTGGTTCGAGCGTCCCGCGGTGTCCGGTGACA
GAGATGAGCAGAATCTACTCTTGGTGCACACTCCCGACATGCCTGAGAATCCACGGGTCTCCCGTGGT
CCTCCTGGGAGCCCCAAATGCAGGGAAGTCAACTTTCCAATCAGCTGCTGGGCGTAAAGTGTTCCT
GTTTCAAAGAAGGTGCACACCACTCGATGTCAAGCTCTGGGGTCAACAGAGAAGGAGACCAAGTGA
TTCTGCTTGACACACCTGGCATCATCAGTCCTGTTAAACAGAAGAGGCACCATCTGGAGCGCTTTTGT
GGAAGATCCATGGACGAGCATGGAATCTGCTGATCTTGTGTAGTTCTTGTGGATGTGTCAGACAAGTGG
ACCAGGAGTCGGCTCAACCCAGGTGCTGCAGTGTGACCAAGTTCTCTCAGGTCCCTAGCATCCTCG
TCTTAAACAAGGTAGATTGCCTGAAGCAGAAGTCAGTTCTCCTGGAGCTGACAGCAGCCCTACTGAAGG
TGTTGTCAATGGCAAGAAGCTTAATATCAAGCAGGCTTGGCTCACGCTCCAGCACCCACTGCCCTGGC
CCTGAAACTGAGGCCCCAAATGCACACTCAGTGAGGAACCTCAGAGAATTGGCTGGCCCTACTTCCAGG
AGATCTTCATGTTATCAGCACTAAACAAGGATGTGAACACATTGAAGCAATACCTTCTGACACAGGC
CCAGCCAGGACCTGGGAGTTCACAGTGGTGTGCTCACTAGCCAGACACCCGAAGAGATCTGTGCCAAT
AAAATCAGAGAGAAGCTTTAGAGTACCTGCCTGAGGAGGTGCCCTACGGTGTGCAGCAGAAGACAGTGA
TATGGGAGGAAGGACCAAGTGGAGAGCTAGTGATCCAACAGAACCTTCTGGTGCCCAAAGAAATCTCATGT
GAGGATCCTGATTGGTCAGAAGGCCTTGTATCTCCAGATTGCACAGGAGGTGGCCGGGACCTCATG
GACATCTTCCACTGTGACGTTCTCATCCGCTCTCTGTGAAACTCCTCAA**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



[View online >](#)

Restriction Sites:	Sgfl-Mlul
ACCN:	NM_022313
Insert Size:	1314 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).
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_022313.2</u> , <u>NP_071708.2</u>
RefSeq Size:	2055 bp
RefSeq ORF:	1314 bp
Locus ID:	57837
UniProt ID:	<u>Q9CZU4</u>
Cytogenetics:	11 B5
Gene Summary:	Probable GTPase that plays a role in the mitochondrial ribosomal small subunit assembly. Specifically binds the 12S mitochondrial rRNA (12S mt-rRNA) to a 33 nucleotide section delineating the 3' terminal stem-loop region. May act as a chaperone that protects the 12S mt-rRNA on the 28S mitoribosomal subunit during ribosomal small subunit assembly (By similarity).[UniProtKB/Swiss-Prot Function]