

Product datasheet for **MR203956**

Ergic1 (NM_026170) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ergic1 (NM_026170) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ergic1
Synonyms:	1200007D18Rik; maa-136
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR203956 representing NM_026170 Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**C

ATGCCCTTTGACTTCAGGAGGTTTGACATCTACAGGAAGGTGCCCAAGGACCTCACACAGCCGACATATA
CTGGTGCCATTATCTCCATCTGCTGCTGCCTCTTCATCCTCTTCCTCTTCCTGTCGGAGCTCACTGGATT
CATCACAACAGAAGTGGTGAATGAGCTCTACGTCGATGACCCAGACAAGGACAGCGGAGGCAAAATTGAC
GTCAGTCTCAACATCAGTTTACCCAATTTGCACTGTGAATTGGTCGGCTTGACATCCAAGATGAGATGG
GCAGACACGAAGTGGGCCACATCGACAATTCATGAAGATCCCGCTGAATAATGGAGCCGGCTGCCGCTT
CGAGGGCCAGTTCAGCATCAACAAGTTCCCGGCAACTTCCATGTGTCCACACACAGTGCCACAGCGCAG
CCACAGAACCCGGACATGACACATACCATCCATAAACTCTCCTTTGGGGATACGCTACAGGTCCAGAATG
TTCACGGGGCTTTCAATGCTCTTGGGGGAGCAGACAGACTCACCTCCAACCCCTGGCCTCCCATGACTA
CATCTTGAAGATTGTACCCACAGTGTATGAGGACAAGAGCGGCAAGCAGCGCTACTCCTACCAAGTACACA
GTGGCCAACAAGGAGTACGTTGCCTACAGCCACACGGGACGCATTATCCCTGCCATCTGGTTCGGCTATG
ACCTCAGCCCCATCACAGTCAAGTACACAGAGAGAAGACAACCCCTGTACAGGTTTCATCACCACAATCTG
TGCCATCATCGGCGGAACCTTCACTGTGCGCGGCAATTCTGGACTCCTGTATCTTCACAGCCTCAGAAGCG
TGAAGAAGATCCAGCTGGGCAAAATTCAC

ACGCGTACGCGGCGGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



[View online »](#)

Protein Sequence: >MR203956 representing NM_026170
 Red=Cloning site Green=Tags(s)

MPFDFRRFDIYRKVPKDLTQPTYTGAIISICCLFILFLFLSELTGFIITTEVVNELYVDDPKDSSGGKID
 VSLNISLPHLHCELVLGLDIQDEMGRHEVGHIDNSMKIPLNNGAGCRFEGQFSINKVPGNFHVSTHSATAQ
 PQNPDMTHTHIKLSFGDTLQVQNVHGAFNALGGADRLTSNPLASHDYILKIVPTVYEDKSGKQRYSYQYT
 VANKEYVAYSHTGRIIPAIWFRYDLSPITVKYTERRQPLYRFITTICAIIGGFTTVAGILDSCIFTASEA
 WKKIQLGKIH

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9026_h03.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_026170

ORF Size: 870 bp

OTI Disclaimer: 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. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_026170.3](#), [NP_080446.1](#)

RefSeq Size: 2734 bp

RefSeq ORF: 873 bp

Locus ID: 67458

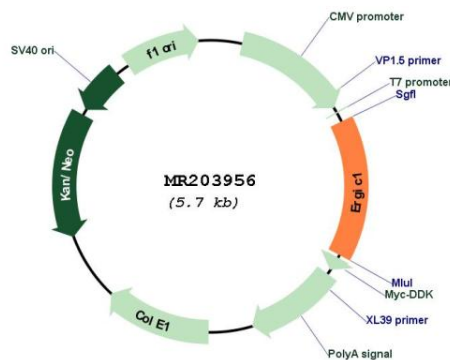
UniProt ID: [Q9DC16](#)

Cytogenetics: 17 A3.3

MW: 33 kDa

Gene Summary: Possible role in transport between endoplasmic reticulum and Golgi.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR203956