

Product datasheet for **MG203956**

Ergic1 (NM_026170) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ergic1 (NM_026170) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Ergic1
Synonyms:	1200007D18Rik; maa-136
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG203956 representing NM_026170 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCCCTTGACTTCAGGAGTTTGACATCTACAGGAAGGTGCCAAGGACCTCACGCAGCCGACATATA
CTGGTGCCATTATCTCCATCTGCTGCTGCCTTTCATCCTCTTCCTTCTCCTGTCGGAGCTCACTGGATT
CATCACAACAGAAGTGGTGAATGAGCTCTACGTCGATGACCCAGACAAGGACAGCGGAGGCAAATTGAC
GTCAGTCTCAACATCAGTTTACCCAATTTGCACTGTGAATTGGTCGGGCTTGACATCCAAGATGAGATGG
GCAGACACGAAGTGGGCCACATCGACAATTCATGAAGATCCCGCTGAATAATGGAGCCGGCTGCCGCTT
CGAGGGCCAGTTCAGCATCAACAAGTTCCCGCAACTTCCATGTGTCCACACACAGTGCCACAGCGCAG
CCACAGAACCCGGACATGACACATACCATCCATAAACTCTCCTTTGGGGATACGCTACAGGTCCAGAATG
TTCACGGGGCTTTCAATGCTCTTGGGGGAGCAGACAGACTCACCTCCAACCCCTGGCCTCCCATGACTA
CATCTTGAAGATTGTACCCACAGTGTATGAGGACAAGAGCGGCAAGCAGCGCTACTCCTACCAGTACACA
GTGGCCAACAAGGAGTACGTCGCCTACAGCCACACGGGGCGCATTATCCCTGCCATCTGGTTCGGTATG
ACCTCAGCCCCATCACAGTCAAGTACACAGAGAGAAGACAACCCCTGTACAGGTTTCATCACCACAATCTG
TGCCATCATCGGCGGAACCTTCACTGTGCGCCGCGATTCTGGACTCCTGTATCTTCACAGCCTCAGAAGCG
TGAAGAAGATCCAGCTGGGCAAAATTCAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG203956 representing NM_026170
Red=Cloning site Green=Tags(s)

MPDFRRFDIYRKVPKDLTQPTYTGAIISICCLFILFLFLSELGTFITTEVVNELYVDDPKDSSGGKID
 VSLNISLPNLHCELVGLDIQDEMGRHEVGHIDNSMKIPLNNGAGCRFEGQFSINKVPGNFHVSTHSATAQ
 PQNPDMTHTIHKLSFGDTLQVQNVHGAFNALGGADRLTSNPLASHDYILKIVPTVYEDKSGKQRYSYQYT
 VANKEYVAYSHTGRIIPAIWFRYDLSPITVKYTERRQPLYRFITTICAIIGGFTTVAGILDSCIFTASEA
 WKKIQLGKIH

TRTRPLE - GFP Tag - V

Restriction Sites:

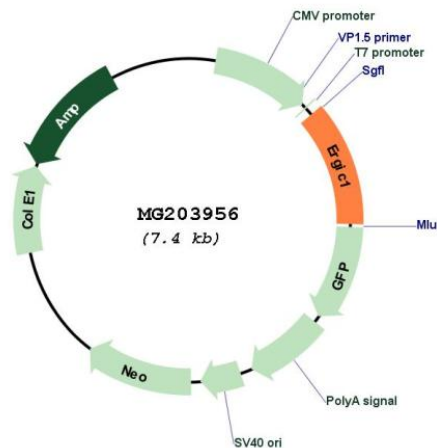
SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



Plasmid Map:



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:	<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:	NM_026170.2
RefSeq Size:	2734 bp
RefSeq ORF:	873 bp
Locus ID:	67458
UniProt ID:	Q9DC16
Cytogenetics:	17 A3.3
Gene Summary:	Possible role in transport between endoplasmic reticulum and Golgi.[UniProtKB/Swiss-Prot Function]