

## Product datasheet for MR206158

### Ergic3 (BC057130) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Ergic3 (BC057130) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ergic3
Synonyms:	CGI-54, NY-BR-84
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR206158 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGAGGCGCTGGGAAGCTGAAGCAGTTCGATGCCTACCCTAAGACTCTGGAGGACTTCCGGGTCAAGA  
CCTGCGGGGGTGCCACGGTGACCATCGTCAGTGGCCTTCTCATGCTCCTGCTTTTCTATCGGAGTTGCA  
GTATTATCTCACTACGGAGGTGCATCCTGAGCTCTACGTGGACAAGTCTCGGGGGGATAAACTGAAGATC  
AACATCGATGTTCTTTCCGCACATGCCTTGTGCTACTTGAGCATCGATGCCATGGACGTGGCCGGG  
AGCAGCAGCTGGATGTGGAACACAACCTGTTCAAGAAACGACTAGACAAGGATGGCGTCCCCGTGAGCTC  
AGAGGCTGAACGGCACGAGCTTGGGAAAGTCGAGGTGACAGTGTGGACCCAACTCCTTGACCCCAAT  
CGCTGTGAGAGCTGCTACGGCGCTGAGTCAGAAGACATCAAGTGCTGTAACAGTTGTGAAGATGTGCGGG  
AGGCCTATCGCCGTCGAGGCTGGGCCTTCAAGAACCCGGACACCATTTGAGCAGTGTGGCGAGAGGGCTT  
CAGCCAGAAGATGCAGGAGCAGAAGAAATGAAGGCTGCCAGGTGTACGGCTTCTTGAGGTTCAACAAGGTG  
GCTGGAACCTTCCACTTTGCCCTGGGAAGAGCTTCCAACAGTCTCATGTGCATGTCCATGCTGTGGAGA  
TTCATGACTTGCAGAGCTTTGGCCTTGACAATCCATCTGATTGCTGCAGATCAACATGACACACTACAT  
CAAGCACCTGTCATTGGGGAGGACTATCCAGGAATCGTGAACCCCTAGACCACACCAACGTGACTGCA  
CCCCAAGCCTCCATGATGTTCCAGTACTTGTGAAGGTGGTCCCACAGTGTACATGAAGGTGGACGGGG  
AGGTGCTGAGGACTAACCAAGTCTCCGTGACCAGGCACGAGAAGGTTGCCAATGGGCTCCTGGGTGACCA  
GGGCTGCCGGGGTCTTTGTGCTGTATGAGCTCTACCAATGATGGTGAAGCTGACGGAGAAAACAGG  
TCCTTACCCACTTTCTGACAGGTGTGTGCGCCATCATTGGGGCATGTTTACAGTGGCCGGCTCATTG  
ACTCGCTCATCTACCACTCCGCTCGGGCCATCCAGAAGAAAATTGACCTAGGGAAGACAACG

**ACGGT**ACGGGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >MR206158 protein sequence  
Red=Cloning site Green=Tags(s)

MEALGKLGKQFDAYPKTLEDFRVKTCGGATVTIVSGLLMLLLFLSELQYYLTTEVHPELYVDKSRGDKLKI  
 NIDVLFPHMPCAYLSIDAMDVAGEQQLDVEHNLFKRDLKDGVPVSSAERHELKQVEVTVFDPNSLDPN  
 RCESCYGAESEDIKCCNSCEDVREAYRRRGWAFKNPDTIEQCRREGFSQKMQEKNQEGCQVYGFLEVNKV  
 AGNFHFAPGKSFQQSHVHVHVAEIHDLQSFGLDNPSDCLQINMTHYIKHLSFGEDYPGIVNPLDHTNVTA  
 PQASMMFQYFVKVPTVYMKVDGEVLRNQGFSVTRHEKVANGLLDQGLPGVFVLYELSPMMVKLTEKHR  
 SFTHFLTGVCAIIGMFTVAGLIDSLIYHSARAIQKKIDLGKTT

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

**ACCN:** BC057130

**ORF Size:** 1182 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.

**RefSeq:** [BC057130](#), [AAH57130](#)

**RefSeq Size:** 1409 bp

**RefSeq ORF:** 1184 bp

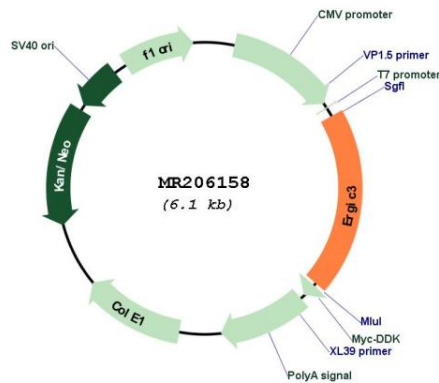
**Locus ID:** 66366

**Cytogenetics:** 2 77.32 cM

**MW:** 44.4 kDa

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

**Product images:**



Circular map for MR206158