

## Product datasheet for **MG205862**

### Ergic2 (BC026558) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Ergic2 (BC026558) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Ergic2
Synonyms:	1200009B18Rik; 4930572C01Rik; AA408438; Ptx1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG205862 representing BC026558 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGAGGCGTCTGAATCGGAGAAAAACCTTAAGTTTGGTGAAGAGTTAGATGCCTTTCCCAAGTTCCTG  
ACAGCTATGTGGAGACGTCAGCCAGTGGGGAACAGTTTCTCTAATAGCATTACCCTATGGCTTTATT  
AACATAATGGAATTCTCAGTCTATCAAGATACATGGTGAAGTACGAATATGAAGTAGACAAGGATTTT  
TCTAGCAAGTTGCGAATCAACATAGACATTACTGTTGCCATGAAGTGTCACTATGTTGGAGCAGATGTAC  
TGGATTTAGCAGAGACCATGGTTGCTTCTGCAGATGGTCTGGCTTATGAACCAGCACTGTTTGACCTTTC  
ACCCAGCAGAGAGAGTGGCAGAGGATGCTGCAGCTGATTCAGAGTAGGCTGCAGGAAGAGCATTCCCTT  
CAAGACGTGATATTCAAGAGTGCTTTAAAAGTGCATCAACTGCACTGCCACCAAGGGAAGATGATTCAT  
CACTGACTCCAGATGCGTGCAGAATCCATGGTCATCTCTATGTCAATAAAGTAGCAGGGAATTTTCACAT  
AACTGTGGGCAAGGCAATCCCACATCCTCGAGGGCATGCACATTTGGCAGCACTTGCAACCATGATTCT  
TACAACTTTTCTCACAGAATAGATCATTGTCTTTGGAGAGCTTGTCCGGGAATTAATCCTTTGG  
ATGGAAGTAAAAGATTGCTGTAGATCACACCAGATGTTCCAATATTTTACAGTTGTGCCAACAAA  
GCTACACACATAAAGATCTCAGCAGATACCCATCAGTTCTCTGTGACAGAAAGGGAACGCATCATCAAC  
CATGCTGCAGGCAGCCAGGCGTCTCTGGAATTTTATGAAATATGATCTCAGTTCTCATGGTGACAG  
TCACTGAGGAACACATGCCTTTCTGGCAGTTTTTTGTAAGACTCTGTGGTATAATTGGAGGAATCTTTTC  
AAACAACAGGCATGTTACATGGAATTGAAAATTTATAGTGAAATAATTTGCTGTCGTTTCAGACTTGGA  
TCCACAAAGCCTGTCCGTTCTGTCCCCTTTGCGGATGGCCACACAGACAACCACTTACCTTTTTAGAGA  
ACAACACACAT

**ACGGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >MG205862 representing BC026558  
 Red=Cloning site Green=Tags(s)

MRRLNRRKTL SLVKELDAFPKVPDSYVETSASGGTVSLIAFTTMALLTIMEFSVYQDTWMKYEYEVKDF  
 SSKLRINIDITVAMKCHYVGADVLDLAETMVASADGLAYEPALFDLSPQQREWQRMLQLIQSRLQEEHSL  
 QDVIFKSAFKSASTALPPREDDSSLTPDACRIHGHLVYVNVKVFAGNFHITVGAIPHPRGHAHLAALVNHDS  
 YNFSHRIDHLSFGELVPGIINPLDGTETKIAVDHNQMFQYFITVVPTKLHTYKISADTHQFSVTERERIIN  
 HAAGSHGVSGIFMKYDLSSLMVTVTEEHMPFWQFFVRLCGIIGGIFSTTGMLHGIGKFIVEIICCRFRLG  
 SYKPVRSVPFADGHTDNHLPLENNTH

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** BC026558

**ORF Size:** 1133 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:** [BC026558](#), [AAH26558](#)

**RefSeq Size:** 1636 bp

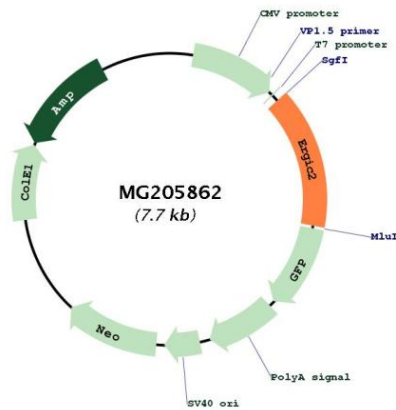
**RefSeq ORF:** 1133 bp

**Locus ID:** 67456

**Cytogenetics:** 6 G3

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

**Product images:**



Circular map for MG205862