

## Product datasheet for **RG203612**

### ERGIC1 (NM\_001031711) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** ERGIC1 (NM\_001031711) Human Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** ERGIC1  
**Synonyms:** AMC2; AMCN; ERGIC-32; ERGIC32; NET24  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >RG203612 representing NM\_001031711  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGCCCTTTGACTTCAGGAGTTTGACATCTACAGGAAGGTGCCAAGGACCTTACGCAGCCAACGTACA  
 CCGGGGCCATTATCTCCATCTGCTGCCTTTCATCCTCTTCCTCTCGGAGCTACCCGGATT  
 TATAACGACAGAAGTTGTGAACGAGCTCTATGTCGATGACCCAGACAAGGACAGCGGTGGCAAGATCGAC  
 GTCAGTCTGAACATCAGTTTACCAATCTGCACTGCGAGTTGGTGGGCTTGACATTGAGGATGAGATGG  
 GCAGGCACGAAGTGGGCCACATCGACAACCTCCATGAAGATCCCGCTGAACAATGGGGCAGGCTGCCGCTT  
 CGAGGGGCAGTTCAGCATCAACAAGTCCCGGCAACTTCCACGTGTCCACACACAGTGCCACAGCCAG  
 CCACAGAACCCAGACATGACGCATGTATCCACAAGCTCTCCTTTGGGGACACGCTACAGGTCCAGAACA  
 TCCACGGAGCTTTCAATGCTCTCGGGGAGCAGACAGACTCACCTCCAACCCCTGGCCTCCCACGACTA  
 CATCCTGAAGATTGTGCCACGGTTTATGAGGACAAGAGTGGCAAGCAGCGGTACTCCTACCAGTACACG  
 GTGGCCAACAAGGAATACGTCGCTACAGCCACACGGCCGCATCATCCCTGCAATCTGGTTCGGTACG  
 ACCTCAGCCCCATCAGGTCAAGTACACAGAGAGACGGCAGCCGCTGTACAGATTATCACCACGATCTG  
 TGCCATCATTGGCGGGACCTTACCCTGCGCCGCATCCTGGACTCATGCATCTTCACAGCCTCTGAGGCC  
 TGAAGAAGATCCAGCTGGGCAAGATGCAT

**ACGCGTACGCGGCCGCTCGAG** - GFP Tag - GTTTAA



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**Protein Sequence:** >RG203612 representing NM\_001031711  
 Red=Cloning site Green=Tags(s)

MPFDFFRRFDIYRKVPKDLTQPTYTGAIISICCCFLFILFLFLSEL TGFITTEVVNELYVDDPKDSSGGKID  
 VSLNISLPHLHCELVGLDIQDEMGRHEVGHIDNSMKIPLNNGAGCRFEGQFSINKVPGNFHVSTHSATAQ  
 PQNPDMTHVIHKLSFGDTLQVQNIHGAFNALGGADRLTSNPLASHDYILKIVPTVYEDKSGKQRYSYQYT  
 VANKEYVAYSHTGRIIPAIWFRYDLSPITVKYTERRQPLYRFITTCIAIIGGFTTVAGILDSCIFTASEA  
 WKKIQLGKMH

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_001031711

**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.

**RefSeq:** [NM\\_001031711.3](#)

**RefSeq Size:** 2836 bp

**RefSeq ORF:** 873 bp

**Locus ID:** 57222

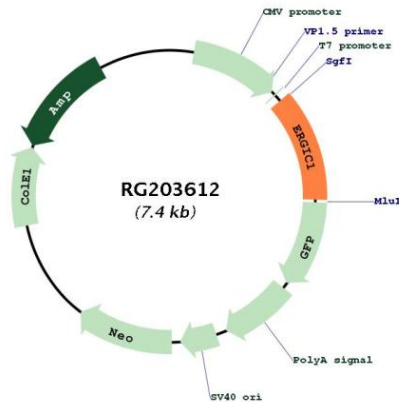
**UniProt ID:** [Q969X5](#)

**Cytogenetics:** 5q35.1

**Protein Families:** Transmembrane

**Gene Summary:** This gene encodes a cycling membrane protein which is an endoplasmic reticulum-golgi intermediate compartment (ERGIC) protein which interacts with other members of this protein family to increase their turnover. [provided by RefSeq, Jul 2008]

**Product images:**



Circular map for RG203612