

## Product datasheet for **RG204084**

### ERGIC3 (NM\_015966) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	ERGIC3 (NM_015966) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ERGIC3
Synonyms:	C2orf47; C20orf47; CGI-54; dj47704.2; Erv46; NY-BR-84; PRO0989; SDBCAG84
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG204084 representing NM_015966 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGAGGCGCTGGGAAGCTGAAGCAGTTCGATGCCTACCCCAAGACTTTGGAGGACTTCCGGGTCAAGA  
CCTGCGGGGGCGCCACCGTGACCATTGTCAGTGGCCTTCTCATGCTGCTACTGTTCTGTCCGAGCTGCA  
GTATTACCTCACCACGGAGGTGCATCCTGAGCTCTACGTGGACAAGTCGCGGGGAGATAAACTGAAGATC  
AACATCGATGTACTTTTTCCGCACATGCCTTGTGCCTATCTGAGTATTGATGCCATGGATGTGCCGGAG  
AACAGCAGCTGGATGTGGAACACAACCTGTTCAAGCAACGACTAGATAAAGATGGCATCCCCGTGAGCTC  
AGAGGCTGAGCGCATGAGCTTGGGAAAGTCGAGGTGACGGTGTGGACCCTGACTCCCTGGACCCTGAT  
CGCTGTGAGAGCTGCTATGGTGTGAGGCAGAAGATATCAAGTGTGTAACACCTGTGAAGATGTGCGGG  
AGGCATATCGCCGTAGAGGCTGGGCCTTCAAGAACCAGATACTATTGAGCAGTCCCGCGAGAGGGCTT  
CAGCCAGAAGATGCAGGAGCAGAAGAAATGAAGGCTGCCAGGTGTATGGCTTCTTGGAAAGTCAATAAGGTG  
GCCGAAACTTCCACTTTGCCCTGGGAAGAGCTTCCAGCAGTCCCATGTGCACGTCCATGACTTGACAGA  
GCTTTGGCCTTGACAACATCAACATGACCCACTACATCCAGCACCTGTGATTTGGGGAGGACTATCCAGG  
CATTGTGAACCCCTGGACCACCAATGTCACCTGCGCCCAAGCCTCCATGATGTTCCAGTACTTTGTG  
AAGGTGGTGCCCACTGTGTACATGAAGGTGGACGAGAGGTACTGAGGACAAATCAGTTCTGTGACCA  
GACATGAGAAGGTTGCCAATGGGCTGTTGGGCGACCAAGGCCCTCCCGGAGTCTTCGTCTCTATGAGCT  
CTCGCCATGATGGTGAAGCTGACGAGAGAAGCACAGGTCCTTACCCACTTCTGACAGGTGTGTGCGCC  
ATCATTGGGGCATGTTACAGTGGCTGGACTCATCGATTGCTCATCTACCACTCAGCACGAGCCATCC  
AGAAGAAAATTGATCTAGGAAGACAACG

**ACCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >RG204084 representing NM\_015966  
Red=Cloning site Green=Tags(s)

```
MEALGKLGKQFDAYPKTLEDFRVKTCGGATVTIVSGLLMLLLFLSELQYYLTTEVHPELYVDKSRGDKLKI
NIDVLFPHMPCAYLSIDAMDVAGEQQLDVEHNLFKQRLDKDGIPVSSAERHELKGVVTVFDPDSLDPD
RCESCYGAEAEEDIKCCNTCEDVREAYRRRGWAFKNPDTIEQCRREGFSQKMQEKNQEGCQVYGFLEVNKV
AGNFHFAPGKSFQQSHVHVHDLQSFGLDNINMTHYIQHLSFGEDYPGIVNPLDHTNVTAPQASMMFYFV
KVVPTVYMKVDGEVLRNQFSVTRHEKVANGLLDQGLPGVFLVELSPMMVKLTKHRSFTHFLTGVCA
IIGMFTVAGLIDSLIYHSARAIQKKIDLKTT
```

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_015966

**ORF Size:** 1149 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\\_015966.3](#)

**RefSeq Size:** 1368 bp

**RefSeq ORF:** 1152 bp

**Locus ID:** 51614

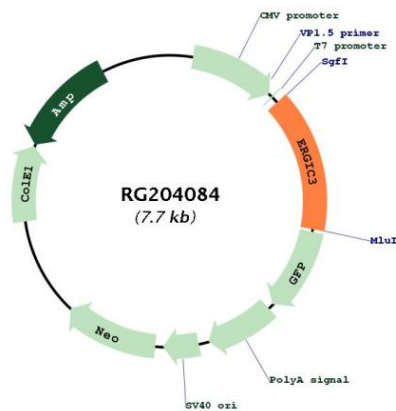
**UniProt ID:** [Q9Y282](#)

**Cytogenetics:** 20q11.22

**Protein Families:** Transmembrane

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

### Product images:



Circular map for RG204084