

Product datasheet for **RG222204**

ERGIC3 (NM_198398) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ERGIC3 (NM_198398) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ERGIC3
Synonyms:	C2orf47; C20orf47; CGI-54; dj477O4.2; 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:	>RG222204 representing NM_198398 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAGGCGCTGGGAAGCTGAAGCAGTTCGATGCCTACCCCAAGACTTTGGAGGACTTCCGGGTCAAGA
CCTGCGGGGGCGCCACCGTGACCATTGTCAGTGGCCTTCTCATGCTGCTACTGTTCTGTCCGAGCTGCA
GTATTACCTACCACGGAGGTGCATCCTGAGCTCTACGTGGACAAGTCGCGGGGAGATAAACTGAAGATC
AACATCGATGTACTTTTTCCGCACATGCCTTGTGCCTATCTGAGTATTGATGCCATGGATGTGGCCGGAG
AACAGCAGCTGGATGTGGAACACAACCTGTTCAAGCAACGACTAGATAAAGATGGCATCCCCGTGAGCTC
AGAGGCTGAGCGCATGAGCTTGGGAAAGTCGAGGTGACGGTGTGGACCCTGACTCCCTGGACCCTGAT
CGCTGTGAGAGCTGCTATGGTGTGAGGCAGAAGATATCAAGTGTGTAACACCTGTGAAGATGTGCGGG
AGGCATATCGCCGTAGAGGCTGGGCCTTCAAGAACCAGATACTATTGAGCAGTCCCGGCGAGAGGGCTT
CAGCCAGAAGATGCAGGAGCAGAAGAAATGAAGGCTGCCAGGTGTATGGCTTCTTGGAAAGTCAATAAGGTG
GCCGAAACTTCCACTTTGCCCTGGGAAGAGCTTCCAGCAGTCCCATGTGCACGTACATGCTGTGGAGA
TCCATGACTTGCAGAGCTTTGGCCTTGACAACATCAACATGACCCACTACATCCAGCACCTGTCAATTTGG
GGAGGACTATCCAGGCATTGTGAACCCCTGGACCACACCAATGTCACTGCGCCCAAGCCTCCATGATG
TTCCAGTACTTTGTGAAGTGGTGCCACTGTGTACATGAAGTGGACGGAGAGGTACTGAGGACAATC
AGTTCTCTGTGACCAGACATGAGAAGTTGCCAATGGGCTGTTGGCGACCAAGGCTTCCCGGAGTCTT
CGTCTCTATGAGCTCTCGCCCATGATGGTGAAGCTGACGGAGAAGCACAGGTCCTTACCCACTTCTGT
ACAGGTGTGTGCCCATCATTGGGGCATGTTACAGTGGCTGGACTCATCGATTGCTCATCTACCACT
CAGCACGACCATCCAGAAGAAAATTGATCTAGGGAAGACAACG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG222204 representing NM_198398
 Red=Cloning site Green=Tags(s)

MEALGKLGKQFDAYPKTLEDFRVKTCGGATVTIVSGLLMLLLFLSELQYYLTTEVHPELYVDKSRGDKLKI
 NIDVLFPHMPCAYLSIDAMDVAGEQQLDVEHNLFKQRLDKDGIPVSSAEERHELKGVVTVFDPDSLDPD
 RCESCYGAEAEEDIKCCNTCEDVREAYRRRGWAFKNPDTIEQCRREGFSQKMQEQQNEGCQVYGFLEVNKV
 AGNFHFAPGKSFQQSHVHVHVAEIHDLQSFGLDNINMTHYIQHLSFGEDYPGIVNPLDHTNVTAPQASMM
 FQYFVKVVPTVYMKVDGEVLRNQFSVTRHEKVANGLLDGQGLPGVFLVELSPMMVKLTEKHRSFTHFL
 TGVCAIIGGMFTVAGLIDSLIYHSARAIQKKIDLGKTT

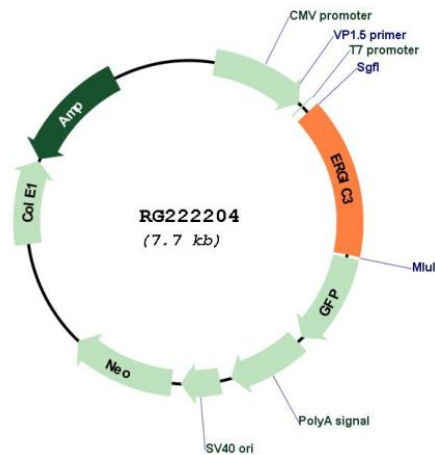
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_198398

ORF Size:	1164 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_198398.2
RefSeq Size:	1383 bp
RefSeq ORF:	1167 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]