

Product datasheet for **MG205883**

Ergic2 (BC064749) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ergic2 (BC064749) 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:	>MG205883 representing BC064749 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAGGCGTCTGAATCGGAGAAAAACCTTAAGTTTGGTGAAGAGTTAGATGCCTTTCCCAAGTTCCTG
ACAGCTATGTGGAGACGTCAGCCAGTGGGGAACAGTTTCTCTAATAGCATTACCAGTATGGCTTTATT
AACATAATGGAATTCTCAGTCTATCAAGATACATGGTGAAGTACGAATATGAAGTAGACAAGGATTTT
TCTAGCAAGTTGCGAATCAACATAGACATTACTGTTGCCATGAAGTGTCACTATGTTGGAGCAGATGTAC
TGGATTTAGCAGAGACCATGGTTGCTTCTGCAGATGGTCTGGCTTATGAACCAGCACTGTTTGACCTTTC
ACCCAGCAGAGAGAGTGGCAGAGGATGCTGCAGCTGATTCAGAGTAGGCTGCAGGAAGAGCATTCCCTT
CAAGACGTGATATTCAAGAGTGCTTTAAAAGTGCATCAACTGCACTGCCACCAAGGGAAGATGATTCAT
CACTGACTCCAGATGCGTGCAGAATCCATGGTCATCTCTATGTCAATAAAGTAGCAGGGAATTTTCACAT
AACTGTGGGCAAGGCAATCCCACATCCTCGAGGGCATGCACATTTGGCAGCACTTGCAACCATGATTCT
TACAACTTTTCTCACAGAATAGATCATTGTCTTTGGAGAGCTTGTCCGGGAATTAATCCTTTGG
ATGGAAGTAAAAGATTGCTGTAGATCACACCAGATGTTCCAATATTTACAGTTGTGCCAACAAA
GCTACACACATAAAGATCTCAGCAGATACCCATCAGTTCTCTGTGACAGAAAGGGAACGCATCATCAAC
CATGCTGCAGGCAGCCAGGCGTCTCTGGAATTTTATGAAATATGATCTCAGTTCTCATGGTGACAG
TCACTGAGGAACACATGCCTTTCTGGCAGTTTTTGTAAAGACTCTGTGGTATAATTGGAGGAATCTTTTC
AACAAACAGGCATGTTACATGGAATTGAAAAATTTATAGTGAAATAATTTGCTGTCGTTTCAGACTTGGA
TCCTACAAGCCTGTCCGTTCTGTCCCCTTTGCGGATGGCCACACAGACAACCCTTACCTTTTTAGAGA
ACAACACACAT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG205883 representing BC064749
 Red=Cloning site Green=Tags(s)

MRRLNRRKTL SLVKELDAFPKVPDSYVETSASGGTVSLIAFTTMALLTIMEFSVYQDTWMKYEYEVKDF
 SSKLRINIDITVAMKCHYVGADVLDLAETMVASADGLAYEPALFDLSPQQREWQRMLQLIQSRLQEEHSL
 QDVIFKSAFKSASTALPPREDDSSLTPDACRIHGHLVYVKNVAGNFHITVGAIPHPRGHAHLAALVNHDS
 YNFSHRIDHLSFGELVPGIINPLDGTETIAVDHNQMFQYFITVVPTKLHTYKISADTHQFSVTERERIIN
 HAAGSHGVSGIFMKYDLSLMTVTTEHMPFWQFFVRLCGIIGGIFSTTGMLHGIGKFIVEIICCRFRLG
 SYKPVRSVPFADGHTDNHLPLENNTH

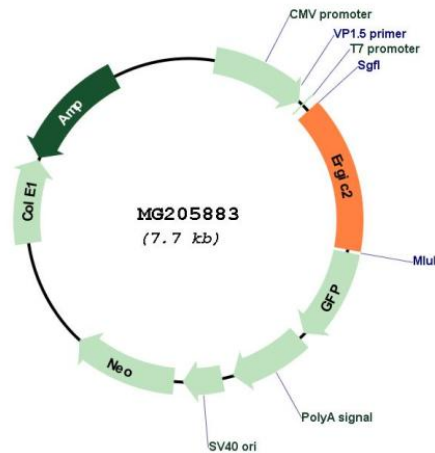
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: BC064749

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:	<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:	BC064749 , AAH64749
RefSeq Size:	1416 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]