

Product datasheet for **MG215730**

Ergic2 (NM_026355) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ergic2 (NM_026355) 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:	>MG215730 representing NM_026355 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAGGCGTCTGAATCGGAGAAAAACCTTAAGTTTGGTGAAGAGTTAGATGCCTTTCCCAAGTTCCTG
ACAGCTATGTGGAGACGTCAGCCAGTGGGGAACAGTTTCTCTAATAGCATTTACCACTATGGCTTTATT
AACATAATGGAATTCTCAGTCTATCAAGATACATGGATGAAGTACGAATATGAAGTAGACAAGGATTTT
TCTAGCAAGTTGCGAATCAACATAGACATTACTGTTGCCATGAAGTGCACTATGTTGGAGCAGATGTAC
TGGATTTAGCAGAGACCATGGTTGCTTCTGCAGATGGTCTGGCTTATGAACCAGCACTGTTTGACCTTTC
ACCCAGCAGAGAGAGTGGCAGAGGATGCTGCAGCTGATTCAGAGTAGGCTGCAGGAAGAGCATTCCCTT
CAAGACGTGATATTCAAGAGTGCTTTTAAAAGTGCATCAACTGCACTGCCACCAAGGGAAGATGATTCAT
CACTGACTCCAGATGCGTGCAGAATCCATGGTCATCTCTATGTCAATAAAGTAGCAGGGAATTTTCACAT
AACTGTGGGCAAGGCAATCCCACATCCTCGAGGGCATGCACATTTGGCAGCACTTGCAACCATGATTCT
TACAACTTTTCTCACAGAATAGATCATTGTCTTTGGAGAGCTTGTCCGGGAATTAATCCTTTGG
ATGGAAGTAAAAGATTGCTGTAGATCACAAACCAGATGTTCCAATATTTACAGTTGTGCCAACAAA
GCTACACACATAAAGATCTCAGCAGATACCCATCAGTTCTCTGTGACAGAAAGGCGATCTCTTTCCAAG
ATACAGTGGGAAAAACAGAAAAATGCTGTGTGAAGTTTATTGCGTTGTTGCAATGACAGAAGAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG215730 representing NM_026355
 Red=Cloning site Green=Tags(s)

MRRLNRRKTL SLVKELDAFPKVPDSYVETSASGGTVSLIAFTTMALLTIMEFSVYQDTWMKYEYVDKDF
 SSKLRINIDITVAMKCHYVGADVLDLAETMVASADGLAYEPALFDLSPQQREWQRMLQLIQSRLQEEHSL
 QDVIFKSAFKSASTALPPREDDSSLTPDACRIHGHLVYVKNVAGNFHITVGKAIPHPRGHAHLAALVNHDS
 YNFSHRIDHLSFGELVPGIINPLDGTKEIAVDHNQMFQYFIVVPTKLHTYKISADTHQFSVTERRLSK
 IQWEKQKNAVCKVYCVVAMTED

TRTRPLE - GFP Tag - V

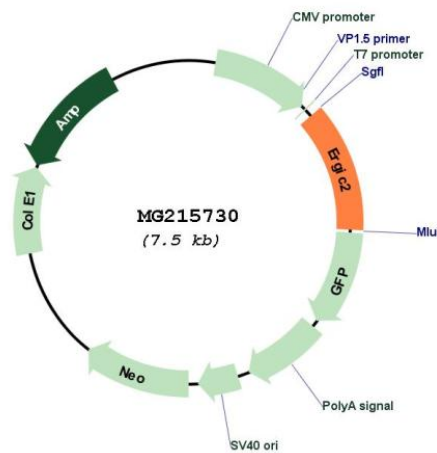
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



Plasmid Map:



ACCN: NM_026355

ORF Size: 906 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_026355.3 , NP_080631.1
RefSeq Size:	1459 bp
RefSeq ORF:	909 bp
Locus ID:	67456
Cytogenetics:	6 G3
Gene Summary:	Possible role in transport between endoplasmic reticulum and Golgi.[UniProtKB/Swiss-Prot Function]