

Product datasheet for **RG221956**

Endoplasmic reticulum metalloproteinase 1 (ERMP1) (NM_024896) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Endoplasmic reticulum metalloproteinase 1 (ERMP1) (NM_024896) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Endoplasmic reticulum metalloproteinase 1
Synonyms:	bA207C16.3; FXNA; KIAA1815
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG221956 representing NM_024896
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGC**

ATGGAGTGGGTTCTGAGTCGGCTGCTGTGAGGCGGCACCGCTCGGAGTAGAGCGTCGAGAGGGAGCGG
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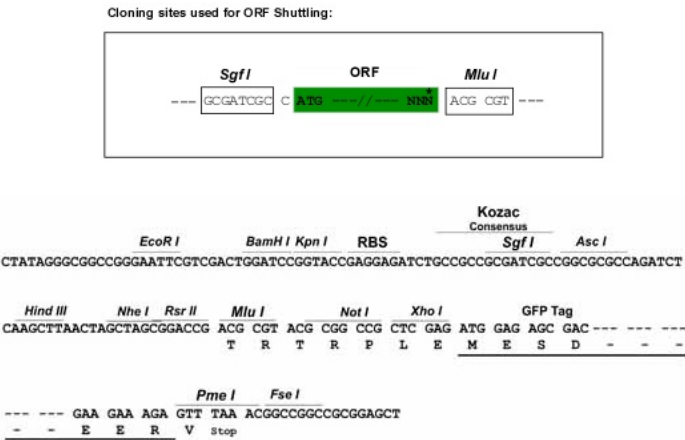
ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence: >RG221956 representing NM_024896
 Red=Cloning site Green=Tags(s)

MEWGSESAVRRHRVGVVERREGAAAAPPEREARAQEPLVDGCSGGGRTRKRSPGGSGGASRGAGTGLSE
 VRAALGLALYLIALRTLVLQLSLQQLVLRGAAGHRGEFDALQARDYLEHITSIGPRTTGSPENEILTVHYL
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 YIYHTKYDTADRILTDSIQRAGDNILAVLKLATSDMLAAASKYRHGNMVFVDVLGLFVIAYPSRIGSII
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 LLTKLCVHKDFKQHAQKFIAYLLGMFIPYLALYLIWAVFEMFTPIGRSGSEIPPDVVLASILAGC
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 NPPHFRLISKEQTPWDSIKLTFEATGPSHMSFYVRAHKGSTLSQWSLNGTPTVSKGGDYFVFYSHGLQA
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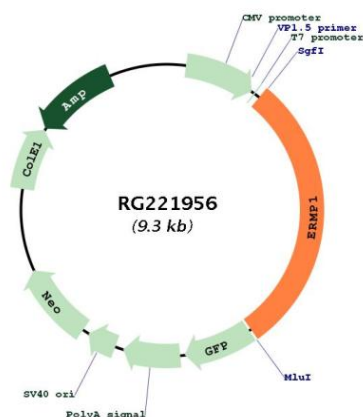
TRTRPLE - GFP Tag - V

Restriction Sites:
 Cloning Scheme:



ACCN:	NM_024896
ORF Size:	2712 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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_024896.3
RefSeq Size:	5355 bp
RefSeq ORF:	2715 bp
Locus ID:	79956
UniProt ID:	Q7Z2K6
Cytogenetics:	9p24.1
Protein Families:	Protease, Transmembrane
Gene Summary:	Within the ovary, required for the organization of somatic cells and oocytes into discrete follicular structures.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG221956