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Product datasheet for MG203447

Erp29 (NM_026129) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	Erp29
Synonyms:	1200015M03Rik; 2810446M09Rik; AW209030; Erp28; Erp31; PDI-Db
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence:

>MG203447 representing NM_026129
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCCGCCGCCGCCGGGGTGTCTGGCGCTGCTTCTCTCTCCCCACTGCTGTCCGTGCTCCTGGGCCTGC
TGCTCCTCTTTGCTCCGCACGGCGGCAGCGGCCTACACACGAAGGGTGCCCTTCCCTTGGACACAGTCAC
TTTCTACAAGGTCATTCCCAAAAGCAAGTTCGTCTTGGTGAAGTTCGACACCCAGTACCCCTATGGAGAG
AAGCAAGATGAGTTCAAGCGTCTGGCTGAGAACTCAGCCTCCAGCGAGGAGCTCTTGGTGGCAGAGGTGG
GGATCTCAGACTATGGCGACAAGCTGAACATGGAGCTGAGTGAGAAGTACAAGCTGGACAAGGAGAGCTA
CCCAGTCTTCTACCTATTCCGGGATGGGGACTTGGAGAACCCTGTGCTGTACAATGGGGCAGTTAAGGTT
GGAGCCATCCAGCGCTGGCTAAAGGGGCAGGGGGTCTACCTGGGCATGCCTGGGTGCCTGCCTGCATACG
ATGCCCTGGCAGGCGAGTTCATCAAGGCCTCCAGCATAGAGGCCCGACAGGCCATCTTGAAACAGGGACA
GGATGGCCTCCTAAGTGTGAAGGAAACAGAGAAGAAGTGGGCTAGCCAATACCTGAAGATCATGGGGAAG
ATCCTGGACCAAGGTGAGGACTTTCCAGCCTCTGAGATGGCCCGGATCGGTAAGCTGATAGAGAACAAGA
TGAGTGACAGCAAGAAAGAAGAGCTACAGAAGAGCTTAAACATCCTGACGGCCTTCCGGAAGAAGGAGGC
TGAGAAGGAGGAGCTG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

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Protein Sequence:

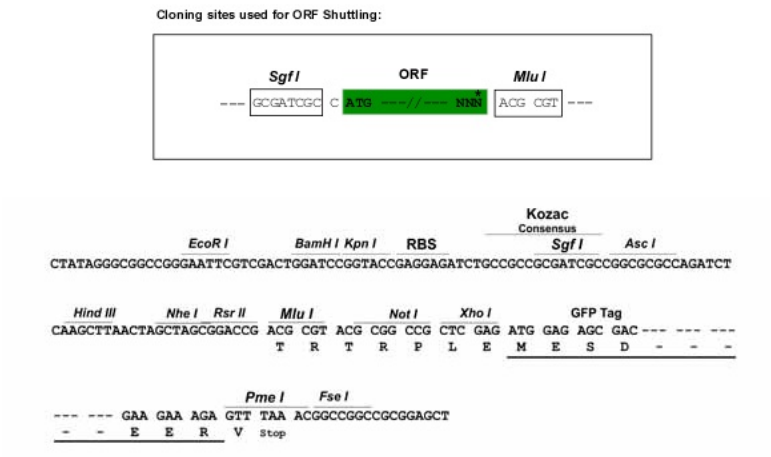
>MG203447 representing NM_026129
Red=Cloning site Green=Tags(s)

MAAAAGVSGAASLSPLLSVLLGLLLLFAPHGGSGLHTKGALPLDTVTFYKVIPKSKFVLVKFDTQYPYGE
KQDEFKRLAENSASSEELLVAEVGISDYGDKLNMELSEKYKLDKESYPVFYLFRDGDLENPVLYNGAVKV
GAIQRWLKGQGVYLGMPGCLPAYDALAGEFIKASSIEARQAILKQGQDGLLSVKETEKKWASQYLKIMGK
ILDQGEDFPASEMARIGKLIENKMSDSKKEELQKSLNILTAFRKKEAEKEEL

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_026129

ORF Size: 786 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).

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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_026129.2, NP_080405.1

RefSeq Size: 1258 bp

RefSeq ORF: 789 bp

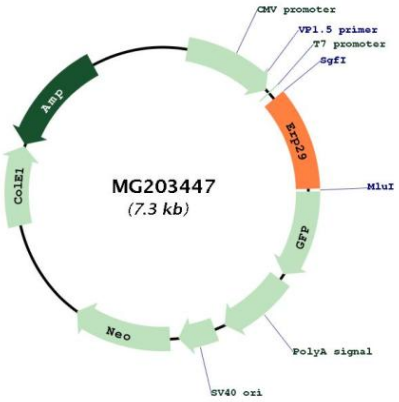
Locus ID: 67397

UniProt ID: P57759

Cytogenetics: 5 F

Gene Summary: Does not seem to be a disulfide isomerase. Plays an important role in the processing of secretory proteins within the endoplasmic reticulum (ER), possibly by participating in the folding of proteins in the ER.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG203447

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