

Product datasheet for **MC210868**

Erp27 (NM_026983) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Erp27 (NM_026983) Mouse Untagged Clone
Tag: Tag Free
Symbol: Erp27
Synonyms: 1810033M07Rik; 1810047B09Rik
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC210868 representing NM_026983
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGAAAATCACCAGGTCTAGATGCCTAATCCTCTCGTTTGTCTCGTGTGTGGGCTGGTTCCAGAGGTTA
CAGCAGATGTGGAAGAAGCCACGGATGGTCTCAGCACTACCCAGGAACCCATATGGCTCACAGACGTCCC
AGCCACCGTGGAACCTCATCGCTGCTGCTGAAGTGGCAGTCATAGGCTTCTCCAGGATTTAGAAATACCG
ATCGTGTCTGTGTCCGGAGCATGGCAGCAGATTCCAAGATGTATCGTTTGAATCAGCAACCATTCTG
AGGTCCTGACCCATTACAATGTCACCAGCAACAGCATCTGCCTCTTTCGACTGGTTGATGATCAACAAC
ACATTTGAATGCTGAAGACATTGAAAATCTCGATGCTGCCAAATTGAGCCGTTTTATTACGTGAACAAC
CTCCACTGGGTGACAGAGTACAGTCCTATGATTGCAGCTGGCTTATTTAACACCATGGTTCAGACCCATC
TTCTCCTGATGATGAAGAAGACTTCCCCAGAGTATGAAGAGAGCATGCCAGATATCGGGAGGCAGCTAA
GCTCTTCCAGGGACAGATTCTCTTTGTTCTGGTGGACAGCGGCAAAGGGAAAAATGGAAAGGTGATGTCC
TATTTCAAATAAAAGAGTCTCAGCTGCCAGCTCTGGCATTATGAGTCTGTGGATGACAAGTGGGACA
CACTGCCCATCGCAGAGTTACGGTGGAGAAGGTCAGGCTTCTCGAGGGATTCTAAAGGGGCTGCT
GCAGAGAGATCACGAAGCTGAAGGAGACTCCGGGAAGGAGGAGCT**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_026983
Insert Size: 819 bp



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OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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_026983.2 , NP_081259.1
RefSeq Size:	953 bp
RefSeq ORF:	819 bp
Locus ID:	69187
UniProt ID:	Q9D8U3
Cytogenetics:	6 G1
Gene Summary:	Specifically binds unfolded proteins and may recruit protein disulfide isomerase PDIA3 to unfolded substrates. Binds protein substrates via a hydrophobic pocket in the C-terminal domain. May play a role in the unfolded stress response.[UniProtKB/Swiss-Prot Function]