

Product datasheet for MC205763

Erp44 (NM_029572) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Erp44 (NM_029572) Mouse Untagged Clone
Tag: Tag Free
Symbol: Erp44
Synonyms: 1110001E24Rik; A1849526; AL033348; Txndc4
Mammalian Cell Selection: Neomycin
Vector: PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection: Kanamycin (25 ug/mL)
Fully Sequenced ORF: >BC019558

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GCCCGGTCCAGTCCCAGCCGCCACCTCCTGACCCCGCGTCCGACCCCGTCCGTTACCATGAATCCTGCGGT
CTTCCTGTCTTTAGCAGACCTCAGATGCTCCTTGCTGCTCCTGGTAACTTCAATTTTTACACCTATAACA
GCTGAAATAGCAAGTCTTGATTCAGAGAATATAGATGAAATTTTAAATAATGCTGATGTTGCTTTAGTAA
ATTTTTATGCTGACTGGTGTCTTTGAGCCAGATGTTGCATCCAATTTTTGAGGAAGCATCTGATGTCAT
TAAGGAAGAATATCCAGATAAAAATCAAGTAGTGTGGCCAGAGTTGATTGTGATCAGCACTCTGATATA
GCCCAGAGGTACAGGATAAGCAAATACCAACCTGAAATTTTCGTAATGGAATGATGATGAAGAGAG
AATACAGGGGCCAGCGATCAGTGAAGCGCTTGCAGACTACATCAGGCAACAGAAAAGTAACCCAGTCCA
CGAGATTCAGAGTCTAGATGAAGTACCAATCTTGATCGCAGTAAGAGAAATATCATTGGATACTTTGAG
CAGAAGGATTCAGAAAATTACAGAGTTTTTGAAGAGTAGCAAGTATTTGTCATGATGACTGTGCCTTCC
TTTCTGCTTTTGGAGATCTTTCAAACCCAGAAAGGTACAACGGAGACAATGTAATCTACAACCCACCCGG
GGTTCTGCGCCAGACATGGTGTACTTGGGATCTATGACAAATTTTGATGTAACCTACAACCTGGATTCAA
GATAAATGTGTCCCTCTTGTCGAGAAATAACATTTGAAATGGAGAGGAATTGACAGAAGAAGGACTGC
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GCAGTTGATAAGTAAAAAGGTACAATAAATTTCTTACATGCAGATTGTGACAAATTTAGACATCCTCTT
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TTTTAATTTTTTCTCCCTGACTCAATTGCATTGTCAATTAACAGCCTCTTTTTACAAAATCTG
CTAGGGTTTTAAAGAACAAAATAAAAACCCAGAGGCCTGTCTCCACTTTAAAAAAAAAAAAAAAAAAAAA
AAAAAAAAAAAAAAAAAAAAA
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Restriction Sites: RsrII-NotI



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ACCN:	NM_029572
Insert Size:	1221 bp
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:	BC019558 , AAH19558
RefSeq Size:	1559 bp
RefSeq ORF:	1221 bp
Locus ID:	76299
UniProt ID:	Q9D1Q6
Cytogenetics:	4 B1
Gene Summary:	Mediates thiol-dependent retention in the early secretory pathway, forming mixed disulfides with substrate proteins through its conserved CRFS motif. Inhibits the calcium channel activity of ITPR1. May have a role in the control of oxidative protein folding in the endoplasmic reticulum. Required to retain ERO1A and ERO1B in the endoplasmic reticulum (By similarity). [UniProtKB/Swiss-Prot Function]