

Product datasheet for MC203178

Ero1a (NM_015774) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Ero1a (NM_015774) Mouse Untagged Clone
Tag: Tag Free
Symbol: Ero1a
Synonyms: Er; ERO1-L; Ero1l
Mammalian Cell Selection: Neomycin
Vector: PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection: Kanamycin (25 ug/mL)

Fully Sequenced ORF: >BC025102
GGCGCGGTAGAGGGCGGTGGCGCGGAGCGCGATGGGCCGCGCTGGGGCTTGTCTGTTGGACTCCTG
GGCGTCGTGTGGCTGCTGCGCTTGGCCACGGCGAGGAGCGGGCGCCGGAGACAGCGGCACAGCGTGT
TCTGCCAGGTTAGTGGTTACCTGGACGACTGTACCTGTGATGTCGAGACCATCGATAAGTTTAATAACTA
CAGACTTTTCCCAAGACTACAAAAGCTTCTGAAAGTGACTACTTTAGATATTACAGGTGAACCTGAAG
AAGCCTTGTCTTCTGGAATGACATCAACCAGTGTGGAAGAAGAGACTGTGCCGTCAAACCCTGCCATT
CTGATGAAGTTTCTGATGGAATTAAGTCTGCGAGCTACAAGTATTCTGAGGAAGCCAACCGCATTGAAGA
AGGTGAGCAAGCTGAGCGACTTGGAGCCGTGGATGAGTCTCTGAGTGAGGAGACCCAGAAAGCTGTACTT
CAGTGGACCAAGCATGATGATTCGTGACAGCTTCTGCGAAATTGACGATATACAGTCCCCGATGCTG
AGTATGTGGACTTACTCCTTAACCCTGAGCGCTACACAGGCTACAAGGGCCAGACGCTTGGAGGATATG
GAGTGTACATCTATGAAGAAAAGTGTAAAAAGCCACAGACAATTCAAAGGCCTTTGGCTTCTGGCGAGGA
AAAAGTAAAGAGAACACATTTTACAAGTGGCTAGAAAGGCCTCTGTGTAGAAAAGAGAGCATTCTACAGAC
TTATATCTGGCCTGCACGCAAGCATTAAATGTGCATTTGAGTGCAAGGTATCTTTTACAAGATACTTGGCT
GGAAAAGAAAATGGGGTCACAATGTCACAGAGTTCCAGCAGCGCTTTGATGGGATTCTGACTGAAGGAGAA
GGCCCACGAAGGCTGAGGAACCTGTACTTCTGTACCTGATAGAGTTAAGGGCTCTCTCCAAAGTGTCTC
CATTTTTTGAGCGTCCAGATTTTCAAGCTTCTACTGGGAATAAAGTTCAGGATGCAGAAAACAAAGCGTT
ACTTCTGGAGATACTTCATGAAATCAAGTCATTTCTTTGCACTTCGATGAGAATCTTTTTTGTGGG
GATAAAAACGAAGCACATAAACTAAAGGAGGACTTCCGGCTACACTTTAGGAACATTTCAAGAATCATGG
ACTGTGTTGGCTGCTTCAAGTCCGCTGTGGGCAAGCTTCCAGACGAGGGCTGGGCACTGCTCTGAA
GATCTTGTTTTCCGAAAAGTATCGCAAATATGCCGAAAAGCGGACCAAGTTATGAGTTCCAGCTAACCC
AGACAAGAAATAGTATCACTGTTAATGCATTTGGAAGGATTTCCACAAGTGTGAGAGAAGTACAGAACT
TCAGGCACTTGTACAGAATGTTCACTGAGGAGGACGGTTGGAATGTGCCTGTTTCTGCACAGGGGAATC
TGAAGGGCAGAACTCTCTGAGCACCATGGTTGCAATGACTGTCTTAAGCCAAACGTTTATATAAAGCTG
CTTTTGTAAAAGAAGAGATACATTGTCTTAAGTAAATGACATTTTTAAAAAAAAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI



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ACCN:	NM_015774
Insert Size:	1395 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:	BC025102 , AAH25102
RefSeq Size:	1602 bp
RefSeq ORF:	1395 bp
Locus ID:	50527
UniProt ID:	Q8R180
Cytogenetics:	14 C1
Gene Summary:	This gene encodes a member of the endoplasmic reticulum oxidoreductin family. The encoded protein is localized to the endoplasmic reticulum and promotes the formation of disulfide bonds by oxidizing protein disulfide isomerase. This gene may play a role in endoplasmic reticulum stress-induced apoptosis and the cellular response to hypoxia. [provided by RefSeq, Feb 2011]