

Product datasheet for **RN208545**

Ero1a (NM_138528) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ero1a (NM_138528) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Ero1a
Synonyms:	Ero1l
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN208545 representing NM_138528
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGGCCGCGCCTGGGGCTTGTCTCGTGGACTCTTGGGCGTCGTGTGGCTGCTGCGCTTGGCCACGGCG
 AGGAGCGGCGGCCGGAGACAGCGGCACAGCGGTGTTCTGTCTAGGTTAGTGGTTACCTGGATGACTGTAC
 CTGTGATGTCGAGACCATCGATAAGTTTAACTACAGACTTTTCCCAAGACTACAAAAGCTCCTTGAA
 AGTGACTACTTTAGATACTACAAGGTAACCTTGAGGAAGCCATGTCTTTCTGGAATGACATCAACCAAT
 GTGGAAGAAGAGACTGTGCTGTCAAACCCTGCCATTCTGATGAAGTCCCTGATGGAATTAAGTCTGCGAG
 CTACAAGTATCCAAGGAAGCCAACCTCCTTGAGGAGTGTGAGCAGGCTGAGCGGCTCGGAGCAGTGGAC
 GAATCTCTGAGTGAAGGAGACCCAGAAGGCTGTTCTTCAGTGGACGAAACACGATGATTCTTCAGACAGCT
 TCTGTGAAGTTGATGACATACAGTCCCCGATGCTGAGTATGTGGATTTACTCCTAACCCCTGAGCGCTA
 CACAGGCTACAAGGGCCGGACGCTTGGAGGATATGGAGTGTCTATGAAGAAAAGCTGCTTAAAGCCA
 CAGACAATTCAAAAGCCCTTTGGCTTCGGGGCAAGGAAAACATAAAGAGAACACATTTTACAGCTGGCTAG
 AAGGCCTCTGTGTAGAAAAGAGAGCATTCTACAGGCTTATATCTGGCCTACACGCAAGCATCAATGTACA
 TTTGAGTGCAAGGTATCTTTTACAAGATAATTGGCTGGAAAAGAAATGGGGTCATAATGTACAGAGTTT
 CAGCAGCGCTTTGATGGGGTTTTGACAGAAGGAGAAGGCCCCAGGAGGCTGAAGAACCTGTACTTTCTTT
 ACCTGATAGAGTTAAGGGCTCTCTCTAAAGTGCCTCCGTTTTTCGAGCGCCAGATTTTCAGCTCTTAC
 TGGAAATAAGTTCAAGTGTGGAAAACAAGAGTTACTTCTGGAGATTTCTCATGAAGTCAAGTCAATTT
 CCTTTGCATTTTATGAGAATTTCTTTTTTGGGGGATAAACACGAAGCACATAAGCTAAAGGAGGACT
 TCCGCCTACACTTTAGAAACATCTCGAGGATCATGGACTGCGTCCGCTGCTTCAAGTCCGCTGTGGGG
 CAAGCTTCAGACTCAGGGTCTGGGCACTGCTGAAGATCTTGTCTGAAAAACTGATCGCAAATATG
 CCGGAAAGCGGACCCAGTTATGAATCCAGCTAACAGACAAGAAATAGTGTCTGTTCAATGCATTTG
 GAAGGATTTCCACAAGTGTGAGAGAATTAGAGAACTTCAGACACTTGTACAGAATGTTCACTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_138528

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:

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_138528.1](#), [NP_612537.1](#)
RefSeq Size: 2361 bp
RefSeq ORF: 1395 bp
Locus ID: 171562
UniProt ID: [Q8R4A1](#)
Cytogenetics: 15p14
Gene Summary: may function in ischemia-induced neuronal repair; may be involved in offsetting abnormalities in protein folding, distribution, or maturation [RGD, Feb 2006]