

Product datasheet for **MC209715**

Esrra (NM_007953) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Esrra (NM_007953) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Esrra
Synonyms:	Err1; ERRalpha; Estrra; Nr3b1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

Fully Sequenced ORF: >MC209715 representing NM_007953
 Red=Cloning site Blue=ORF

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTCCAGCCAGGTGGTGGGCATCGAGCCTCTCTACATCAAGGCAGAGCCAGCCAGCCCTGACAGTCCAA
 AGGGTTCTCAGAGACTGAGACTGAACCCCGGTGACCCTGGCCTCTGGTCCAGCTCCAGCCCGCTGCCT
 TCCAGGGCACAAGGAGGAGGAGGATGGGGAGGGGGCAGGGTCTGGTGAGCAGGGCAGTGGGAAGCTAGTG
 CTCAGCTCTACCTAAACGCCTCTGCCTGGTCTGTGGGGATGTGGCCTCTGGCTACCACTACGGTGTGG
 CATCTGTGAGGCCTGCAAAGCCTTCTTCAAGAGGACCATCCAGGGGAGCATCGAGTACAGCTGTCCGGC
 CTCCAATGAGTGTGAGATCACCAAGCGGAGACGCAAGGCCTGTCAGGCCTGCCGCTTACCAAGTGCCTG
 CGGGTGGGCATGTCAAGGAGGGTGTGCGTTTGGACCGTGTCCGTGGCGGGCGGCAGAAGTACAAACGGC
 GGCCAGAGGTGGACCCTTTGCCTTCCCGGGCCCTTCCCTGCTGGACCTCTGGCAGTAGCTGGAGGACC
 CAGGAAGACAGCCCCAGTGAACGCTCTGGTGTGCGATCTGCTGGTGGTTGAACCTGAGAAGCTGTACGCC
 ATGCCTGACCCAGCAAGCCCGATGGACACCTCCCGCTGTGGCCACTCTCTGTGACCTTTTGGATCGAG
 AGATAGTGGTCACCATCAGCTGGGCAAGAGCATCCCAGGCTTCTCCTCACTGTCACTGTCTGACCAGAT
 GTCAGTACTGCAGAGTGTGTGGATGGAAGTGTGGTGTGGGTGTGGCCAGCGCTCACTGCCACTGCAG
 GATGAGCTGGCCTTTGCTGAGGACCTGGTCTAGATGAAGAGGGGGCACGGGCAGCTGGCCTGGGGGATC
 TGGGGGCAGCCCTGTGTCAGCTGGTTCGGCGACTGCAAGCTCTTCGGCTGGAGCGGGAGGAGTACGTCT
 GCTGAAAGCTCTGGCCCTTGCCAATTCTGACTCTGTGCACATTGAAGATGCTGAGGCTGTGGAGCAGCTG
 CGCGAAGCCCTGCATGAGGCCCTGCTGGAGTATGAAGCTGGCCGGGCTGGCCCTGGAGGGGGTGTGAGC
 GGAGGCGTGCAGGCAGGCTGCTGCTTACGCTGCCACTCCTCCGCCAGACAGCAGGCAAAGTCTGGCCCA
 TTTCTATGGGGTGAAGCTGGAGGGCAAGGTGCCATGCACAAGCTGTTTTTGGAAATGCTTGAGGCCATG
 ATGGACTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul

ACCN: NM_007953

Insert Size: 1269 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: [BC138586](#), [AAI38587](#)

RefSeq Size: 1598 bp

RefSeq ORF: 1269 bp

Locus ID: 26379

UniProt ID: [O08580](#)

Cytogenetics: 19 5.08 cM

Gene Summary: Binds to an ERR-alpha response element (ERRE) containing a single consensus half-site, 5'-TNAAGGTCA-3'. Can bind to the medium-chain acyl coenzyme A dehydrogenase (MCAD) response element NRRE-1 and may act as an important regulator of MCAD promoter. Binds to the C1 region of the lactoferrin gene promoter. Requires dimerization and the coactivator, PGC-1A, for full activity. The ERRalpha/PGC1alpha complex is a regulator of energy metabolism. Induces the expression of PERM1 in the skeletal muscle (By similarity). [UniProtKB/Swiss-Prot Function]