

## Product datasheet for **MC216085**

### Esrrg (NM\_011935) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Esrrg (NM_011935) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Esrrg
Synonyms:	ERR3; Errg; mKIAA0832; NR3B3
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >MC216085 representing NM\_011935  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGATTCGGTAGAACTTGCCTGCCTGAATCTTTTTCCCTGCACTACGAAGAAGAGCTTCTCTGCAGAA  
 TGTCAAAACAAAGATCGACACATTGATTCCAGCTGTTCGTCTTCATCAAGACGGAACCCTCCAGCCAGC  
 CTCCTGACGGACAGCGTCAACCACCACAGCCCTGGTGGGTCTTCCGACGCCAGTGGGAGTTACAGTTCA  
 ACCATGAATGGCCATCAGAACGGACTGGACTCGCCACCTCTACCCCTCTGCTCCGATCCTGGGAGGCA  
 GCGGGCCTGTCCGAAACTGTATGATGACTGCTCCAGCACCATCGTAGAGGATCCCAGACCAAGTGTGA  
 ATATATGCTCAACTCCATGCCAAGAGACTGTGCTTAGTGTGGCGACATCGCCTCTGGGTACCACTAT  
 GGGGTTGCATCATGTGAAGCCTGCAAGGCATTCTCAAGAGGACGATTCAAGGTAACATAGAGTACAGCT  
 GCCCAGCCACGAATGAATGTGAGATCACAAGCGCAGACGCAAATCCTGCCAGGCCTGCCGTTTCATGAA  
 GTGTCTCAAAGTGGGCATGCTGAAAGAAGGGTCCGTCTTGACAGAGTGGTGGAGTCCGCAGAAGTAC  
 AAGCGCAGAATAGATGCTGAGAACAGCCATACCTGAACCCTCAGCTGGTGCAGCCAGCCAAAAGCCAT  
 ATAACAAGATTGTCTCGCATTTGTTGGTGGCTGAACCAGAGAAGATCTATGCCATGCCTGACCCACTGT  
 CCCCAGACGTGACATCAAAGCCCTCACCACACTCTGTGACTTGGCTGACCAGAGTGGTGGTTATCATT  
 GGATGGGCAAAACATATTCAGGCTTCTCCACACTGTCCCTGGCAGACCAGATGAGCCTCCTCCAGAGTG  
 CATGGATGGAGATTCTGATCCTCGCGTTGTGTACCGATCGCTTTCGTTTGAGGATGAACTTGTCTATGC  
 AGACGATTATAAATGGATGAAGACCAGTCTAAATTAGCAGGCCTTCTTGACCTAAATAATGCTATCCTG  
 CAGCTGGTGAAGAAGTACAAGAGCATGAAGCTAGAGAAGGAAGAATTGTCACCCCTCAAAGCAATAGCTC  
 TTGCTAATTCAGATTCATGCATATAGAAGATGTGGAAGCTGTGCAGAACTTCAGGATGTGTTACATGA  
 GGCCCTGCAGGATTACGAGGCTGGCCAGCACATGGAAGACCCTCGCCGTGCAGGCAAGATGCTGATGACG  
 CTGCCGCTGCTGAGGCAGACCTCCACCAAGGCAGTCCAGCACTTCTACAACATCAAACCTCGAAGGCAAAG  
 TGCCCATGCACAACTTTTTTTGGAAATGCTGGAGGCCAAGGCTGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI

**ACCN:** NM\_011935

**Insert Size:** 1377 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\\_011935.3](#), [NP\\_036065.1](#)

RefSeq Size: 5312 bp

RefSeq ORF: 1377 bp

Locus ID: 26381

UniProt ID: [P62509](#)

Cytogenetics: 1 H5- H6

**Gene Summary:** Orphan receptor that acts as transcription activator in the absence of bound ligand. Binds specifically to an estrogen response element and activates reporter genes controlled by estrogen response elements. Induces the expression of PERM1 in the skeletal muscle. [UniProtKB/Swiss-Prot Function]