

## Product datasheet for **MR207309**

### Esrrg (NM\_011935) Mouse Tagged ORF Clone

#### Product data:

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



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**ORF Nucleotide Sequence:**

>MR207309 representing NM\_011935  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGATTCGGTAGAACTTTGCCTGCCTGAATCTTTTTCCCTGCACTACGAAGAAGAGCTTCTCTGCAGAA  
 TGCAAACAAAGATCGACACATTGATTCCAGCTGTTCGTCTTCATCAAGACGGAACCTCCAGCCAGC  
 CTCCTGACGGACAGCGTCAACCACCACAGCCCTGGTGGGTCTTCCGACGCCAGTGGGAGTTACAGTTCA  
 ACCATGAATGGCCATCAGAACGGACTGGACTCGCCACCTCTTACCCCTCTGCTCCGATCCTGGGAGGCA  
 GCGGGCCTGTCCGAAACTGTATGATGACTGCTCCAGCACCATCGTAGAGGATCCCAGACCAAGTGTGA  
 ATATATGCTCAACTCCATGCCAAGAGACTGTGCTTAGTGTGGCGACATCGCCTCTGGTACCCTAT  
 GGGTTGCATCATGTGAAGCCTGCAAGGCATTCTCAAGAGGACGATTCAAGGTAACATAGAGTACAGCT  
 GCCCAGCCAGGAATGAATGTGAGATCACAAGCGCAGACGCAAATCCTGCCAGGCCTGCCGTTTCATGAA  
 GTGCTCAAAGTGGGCATGCTGAAAGAAGGGTCCGTCTTGACAGAGTGGTGGAGTCCGAGAGTAC  
 AAGCGCAGAATAGATGCTGAGAACAGCCATACCTGAACCCTCAGCTGGTGCAGCCAGCCAAAAGCCAT  
 ATAACAAGATTGTCTCGCATTGTGGTGGCTGAACCAGAGAAGATCTATGCCATGCCTGACCCTACTGT  
 CCCCAGAGTGACATCAAAGCCCTCACCACACTCTGTGACTTGGCTGACCAGAGTGGTGGTTATCATT  
 GGATGGGCAAAACATATCCAGGCTTCTCCACACTGTCCCTGGCAGACCAGATGAGCCTCCTCCAGAGTG  
 CATGGATGGAGATTCTGATCCTCGCGTGTGTACCGATCGCTTTCGTTTGAGGATGAACCTGTCTATGC  
 AGACGATTATAATGGATGAAGACCAGTCTAAATTAGCAGGCCTTCTTGACCTAAATAATGCTATCCTG  
 CAGCTGGTGAAGAAGTACAAGAGCATGAAGCTAGAGAAGGAAGAATTCGTACCCTCAAAGCAATAGCTC  
 TTGCTAATTCAGATTCATGCATATAGAAGATGTGGAAGCTGTGCAGAACTTCAGGATGTGTTACATGA  
 GGCCCTGCAGGATTACGAGGCTGGCCAGCACATGGAAGACCCTCGCCGTGCAGGCAAGATGCTGATGACG  
 CTGCCGCTGTGAGGCAGACCTCCACCAAGGCAGTCCAGCACTTCTACAACATCAAAGTGAAGGAAAG  
 TGCCATGCACAACTTTTTTTGGAAATGCTGGAGGCCAAGGTC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>MR207309 representing NM\_011935  
 Red=Cloning site Green=Tags(s)

MDSVELCLPESFLHYEEELLCRMSNKDRHIDSSCSF IKTEPSSPASL TDSVNHHSPPGSSDASGSYSS  
 TMNGHQNLDSPLYP SAPI LGGSGPVRKLYDDCSSTIVEDPQTKCEYMLNSMPKRLCLVCGDIASGYHY  
 GVASCEACKAFFKRTIQGNIEYSCPATNECEITKRRRKSCQACRFMKCLKVGM LKEGVRLDRVRGGRQKY  
 KRRIDAENSPYLN PQLVQPAKKPYNKIVSHLLVAEPEKIYAMPDPTVPDS DIKAL TTLCDLADREL VV I  
 GWAKHIPGFSTLSLADQMSLLQSAWMEILILGVVYRSLSFEDEL VYADDYIMDEDQSKLAGLLDLNNAI L  
 QLVKKYKSMKLEKEEFVTLKAIALANSDSMHIEDVEAVQKLQDVLHEALQDYEAGQHMEDPRRAGKMLMT  
 LPLL RQTSTKAVQH FYNIKLEGVPMHKL FLEMLEAKV

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

SgfI-MluI

Cloning Scheme:



ACCN: NM\_011935

ORF Size: 1374 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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: 5280 bp

RefSeq ORF: 1377 bp

Locus ID: 26381

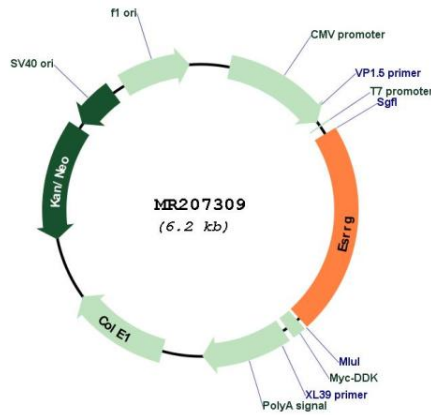
UniProt ID: [P62509](#)

**Cytogenetics:** 1 H5- H6

**MW:** 51.8 kDa

**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]

**Product images:**



Circular map for MR207309