

## Product datasheet for **RR207290**

### Esrrg (NM\_203336) Rat Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Esrrg (NM\_203336) Rat Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Esrrg  
**Synonyms:** errg  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**ORF Nucleotide Sequence:** >RR207290 representing NM\_203336  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGCC**

ATGTCAAACAAAGATCGACACATTGATTCCAGCTGTTTCGTCCTTCATCAAGACGGAACCCTCCAGCCCAG  
CCTCCCTGACGGACAGCGTCAACCACCACAGCCCTGGTGGATCTCCGACGCCAGTGGGAGTTACAGTTC  
AACCATGAATGGCCATCAGAACGGACTGGACTCGCCACCTCTCTACCCCTCTGCTCTATCTGGGAGGC  
AGCGGTCTGTCCGAAACTGTATGATGACTGCTCCAGCACCATCGTAGAGGATCCCCAGACCAAGTGTG  
AATATATGCTCAACTCCATGCCCAAGAGACTGTGCTTAGTGTGTGGCGACATCGCCTCTGGGTATCACTA  
TGGGGTTGCCTCATGTGAAGCCTGCAAGCTTTCTTCAAGAGGACAATTCAAGGTAACATAGAGTACAGC  
TGCCCCGGCCACGAATGAATGTGAGATCACCAAGCGCAGACGAAATCCTGCCAGGCTGCCGCTTCATGA  
AATGTCTCAAAGTGGCATGCTGAAAGAAGGGTCCGCTTTGACAGAGTGCCTGGAGGTCCGCGAGAAGTA  
CAAGCGTAGAATAGATGCTGAGAACAGCCCATACCTGAACCCTCAGCTGGTGCAGCCAGCCAAAAAGCCA  
TATAACAAGATTGTCTCGCATTTGCTGGTGGCTGAACCAGAGAAGATCTATGCCATGCCTGACCCACTG  
TCCCCGACAGTGACATCAAAGCCCTCACGACGCTCTGTGACTTGGCTGATCGAGAGTTGGTGTATCAT  
TGGATGGGCAAAACATATCCCAGGCTTCTCCACACTGTCCCTGGCGGATCAGATGAGCCTTCTCCAGAGC  
CGGTGGATGAAAATCTTGATCCTGGGTGTTGTGTACCGATCACTTTCGTTTGAGGATGAACCTTGTCTATG  
CAGACGATTACATAATGGATGAAGACCAGTCCAAATTAGCAGGCCTTCTTGACCTAAATAACGCCATCCT  
GCAGCTGGTGAAGAAATATAAAGCATGAAGCTAGAGAAGGAAGAATTTGTACCCTCAAAGCAATAGCT  
CTTGCTAATTCAGATTCATGCACATAGAAGACGTGGAGGCTGTCCAGAACTTCAGGATGTGTTGCACG  
AGGCCCTGCAGGATTACGAGGCTGGCCAGCACATGGAAGACCCACGCCGTGCAGGCAAGATGCTGATGAC  
GCTGCCGCTCTGAGGCAGACCTCCACCAAGCGGTCCAACACTTCTACAACATCAAACCTGAAGGCAAA  
GTGCCATGCACAACTGTTTCTGAAAATGCTGGAAGCCAAGGTC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



**Protein Sequence:** >RR207290 representing NM\_203336  
Red=Cloning site Green=Tags(s)

MSNKDRHIDSSCSSFIKTEPSSPASLTDSVNHSPGGSSDASGSYSSTMNGHQGLDSPPLYPSAPILGG  
 SGPVVRKLYDDCSSTIVEDPQTKCEYMLNSMPKRLCLVCGDIASGYHYGVASCEACKAFFKRITIQGNI EYS  
 CPATNECEITKRRRKSCQACRFMKCLKVGMLEKEGVRLDRVRRGGRQYKRRIDAENSPYLNQPLVQPAKPP  
 YNKIVSHLLVAEPEKIYAMPDPTVPDSDIKAL TTLCDLADREL VVIIGWAKHIPGFSTLSLADQMSLLQS  
 AWMEILILGVVYRSLSFEDELVYADDYIMDEDQSKLAGLLDLNNAI LQLVKKYKSMKLEKEEFVTLKAIA  
 LANSDSMHIEDVEAVQLQDVLHEALQDYEAGQHMEDPRRAGKMLMTLPLLRQTSTKAVQHFYNIKLEGG  
 VPMHKL FLEMLEAKV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

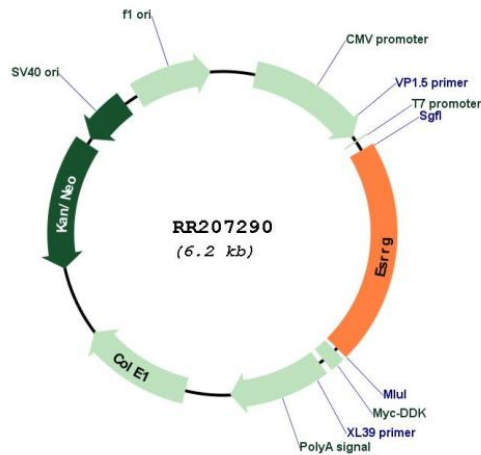
**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:**

NM\_203336

<b>ORF Size:</b>	1305 bp
<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_203336.2</a> , <a href="#">NP_976081.1</a>
<b>RefSeq Size:</b>	3191 bp
<b>RefSeq ORF:</b>	1308 bp
<b>Locus ID:</b>	360896
<b>UniProt ID:</b>	<a href="#">P62510</a>
<b>Cytogenetics:</b>	13q26
<b>MW:</b>	48.6 kDa
<b>Gene Summary:</b>	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 (By similarity).[UniProtKB/Swiss-Prot Function]