

## Product datasheet for **RR215141**

### Esrra (NM\_001008511) Rat Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Esrra (NM\_001008511) Rat Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Esrra  
**Synonyms:** ERRalpha; Errra  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**ORF Nucleotide Sequence:** >RR215141 representing NM\_001008511  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGTCCAGCCAGGTGGTGGGCATCGAGCCTCTCTACATCAAGGCAGAGCCAGCCAGCCCTGACAGTCCAA  
AGGTTTCTCAGAGACTGAGACTGAACCCCGGTGACCCTGGCCTCTGGTCCAGCTCCAGCCCGTGCCT  
TCCAGGGCACAAGGAGGAGGAGGATGGGGAGGGGGCAGGGTCTGGTGGCAGGGCAGTGGGAAGCTAGTG  
CTCAGCTCTCTACCCAAACGCCTCTGCCTGGTCTGTGGGGATGTGGCCTCTGGCTACCACTACGGTGTGG  
CATCCTGTGAGGCCTGCAAAGCCTTCTTCAAGAGGACCATCCAGGGGAGCATCGAGTACAGCTGTCCGGC  
CTCCAATGAGTGTGAGATCACCAAGCGGAGACGCAAGGCCTGTCAGGCCTGCCGCTTACCAAGTGCCTG  
CGGGTGGGCATGCTCAAGGAGGGTGTGCGTCTGGACCGAGTCCGCGGTGGCCGACAGAAGTACAAGCGGC  
GGCCAGAGGTGGACCCATTGCCTTTCCAGGCCCTTCCCTGCTGGTCTCTGGCAGTAGCTGGAGGACC  
CCGGAAGACAGCCCCAGTTAACGCCCTGGTGTCTCATCTGCTGGTGGTTGAACCTGAGAAGCTGTACGCC  
ATGCCTGACCCAGCAAGCCCTGATGGACACCTCCCTGCTGTGGCCACTCTCTGTGATCTTTTTGATAGAG  
AGATAGTGGTACCATCAGCTGGGCCAAGAGCATCCAGGCTTCTCCTCACTGTCACTCTGACCAAGT  
GTCAGTACTGCAGAGTGTGGATGGAGGTGCTGGTGGTGGTGGTGGCCAGCGCTCACTGCCACTGCAG  
GATGAGCTGGCCTTTGCTGAGGACCTGGTCTGGATGAAGAGGGGGCACGGGCTGCTGGTCTGGGGATC  
TGGGGGACGCCCTGCTGCAGCTGGTTCCGGCGGTGCAAGCCCTACGGCTGGAGCGGGAGGAGTACGTCT  
GCTGAAAGCTCTGGCCCTTGCCAACTCTGACTCCGTGCACATTGAAGATGCTGAGGCTGTGGAGCAGCTG  
CGCAAGCCCTGCACGAGGCCCTGCTGGAGTATGAAGTGGCCGGGCTGGCCCTGGAGGGGGTGTGAGC  
GGAGGCGCGCAGGAGGCTGCTGCTTACGCTGCCACTCCTCCGCCAGACAGCAGGCAAAGTCTGGCCCA  
TTTCTATGGGGTGAAGCTGGAGGGCAAAGTGCCCATGCACAAGCTGTTTTTGAAATGCTTGAGGCCATG  
ATGGAC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



**Protein Sequence:** >RR215141 representing NM\_001008511  
 Red=Cloning site Green=Tags(s)

MSSQVVGIEPLYIKAEPASPDSPKGSSETETEPVTLASGPAPARCLPGHKEEEDGEGAGSGEQSGKLV  
 LSSLPKRLCLVCGDVASGYHYGVASCEACKAFFKRTIQGSI EYSCPASNECEITKRRRKACQACRF TKCL  
 RVGMLKEGVRLDRVRGGRQKYKRRPEVDPLPFPGPFPAGPLAVAGGPRKTA PVNALVSHLLVVEPEKLYA  
 MPDPASPDGHLPAVATLCDLFDREIVVTISWAKSIPGFSLSLSDQM SVLQSVWMEVLVLGVAQRSLPLQ  
 DELAFAEDLVLDEEGARAAGLDLGAALLQLVRRLLQALRLEREEYVLLKALALANSDSVHI EDAEAVEQL  
 REALHEALLEYEAGRAGPGGGAERRRAGRLLLLTLP LLRQTAGKVL AHFYGVKLE GKVPMHKL FLEMLEAM  
 MD

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

SgfI-MluI

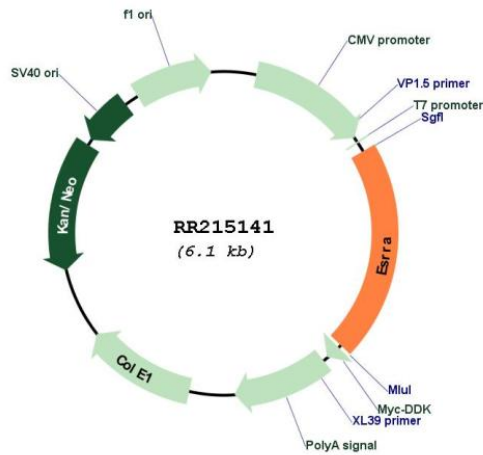
**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

**Plasmid Map:**



**ACCN:** NM\_001008511

<b>ORF Size:</b>	1266 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_001008511.2</a> , <a href="#">NP_001008511.2</a>
<b>RefSeq Size:</b>	2180 bp
<b>RefSeq ORF:</b>	1269 bp
<b>Locus ID:</b>	293701
<b>UniProt ID:</b>	<a href="#">Q5QJV7</a>
<b>Cytogenetics:</b>	1q43
<b>MW:</b>	45.5 kDa
<b>Gene Summary:</b>	estrogen related receptor, alpha [RGD, Feb 2006]