

Product datasheet for MR229899

Esrrg (NM_001243792) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Esrrg (NM_001243792) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Esrrg
Synonyms:	ERR3; Errg; mKIAA0832; NR3B3
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>MR229899 representing NM_001243792 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTCAAACAAAGATCGACACATTGATTCCAGCTGTTTCGTCCTTCATCAAGACGGAACCCTCCAGCCCAG
CCTCCCTGACGGACAGCGTCAACCACCACAGCCCTGGTGGTCTCCGACGCCAGTGGGAGTTACAGTTC
AACCATGAATGGCCATCAGAACGGACTGGACTCGCCACCTCTCTACCCCTCTGCTCCGATCTGGGAGGC
AGCGGGCCTGTCCGAAACTGTATGATGACTGCTCCAGCACCATCGTAGAGGATCCCCAGACCAAGTGTG
AATATATGCTCAACTCCATGCCCAAGAGACTGTGCTTAGTGTGTGGCGACATCGCCTCTGGTACCACTA
TGGGGTTGCATCATGTGAAGCCTGCAAGGCATTCTTCAAGAGGACGATTCAAGGTAACATAGAGTACAGC
TGCCCAGCCACGAATGAATGTGAGATCACAAGCGCAGACGCAAAATCCTGCCAGGCTGCCGTTTCATGA
AGTGTCTCAAAGTGGGCATGCTGAAAGAAGGGTCCGTCCTTGACAGAGTGCCTGGAGGTCGGCAGAAGTA
CAAGCGCAGAATAGATGCTGAGAACAGCCCATACCTGAACCCTCAGCTGGTGCAGCCAGCCAAAAAGCCA
TATAACAAGATTGTCTCGCATTTGTTGGTGGCTGAACCAGAGAAGATCTATGCCATGCCTGACCCACTG
TCCCCGACAGTGACATCAAAGCCCTCACCACACTCTGTGACTGGCTGACCGAGAGTTGGTGTATCAT
TGGATGGGCAAAACATATTCAGGCTTCTCCACACTGTCCTGGCAGACCAGATGAGCCTCCTCCAGAGT
GCATGGATGGAGATTCTGATCCTCGGCGTGTGTACCGATCGCTTTCGTTTGAGGATGAACCTGTCTATG
CAGACGATTATATAATGGATGAAGACCAGTCTAAATTAGCAGGCCTTCTTGACCTAAATAATGCTATCCT
GCAGCTGGTGAAGAAGTACAAGAGCATGAAGCTAGAGAAGGAAGAATTCGTACCCTCAAAGCAATAGCT
CTTGCTAATTCAGATTCATGCATATAGAAGATGTGGAAGCTGTGCAGAACTTCAGGATGTGTTACATG
AGGCCCTGCAGGATTACGAGGCTGGCCAGCACATGGAAGACCCTCGCCGTGCAGGCAAGATGCTGATGAC
GCTGCCGCTGCTGAGGCAGACCTCCACCAAGGCAGTCCAGCACTCTACAACATCAAACCTCGAAGGCAAA
GTGCCATGCACAACTTTTTTTGGAAATGCTGGAGGCCAAGGTC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



[View online >](#)

Protein Sequence: >MR229899 representing NM_001243792
Red=Cloning site Green=Tags(s)

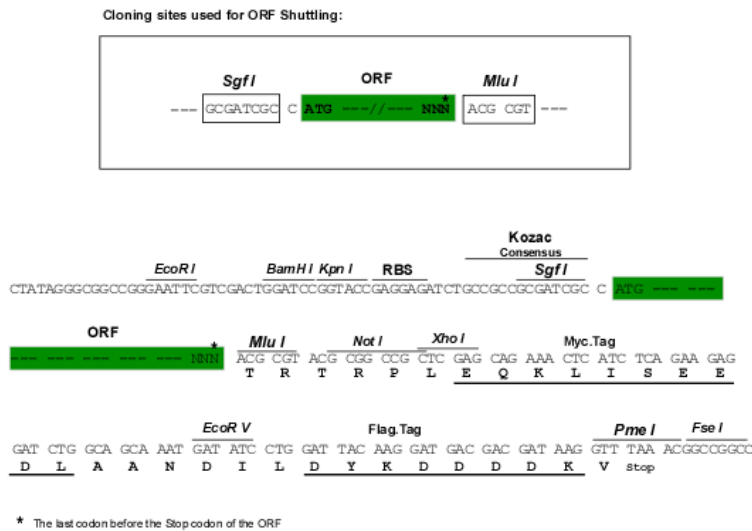
MSNKDRHIDSSCSSFIKTEPSSPASLTDSVNHSPGGSSDASGSYSSTMNGHQGLDSPPLYPSAPILGG
 SGPVVRKLYDDCSSTIVEDPQTKCEYMLNSMPKRLCLVCGDIASGYHYGVASCEACKAFFKRTIQGNI EYS
 CPATNECEITKRRRKSCQACRFMKCLKVGMLEKEGVRLDRVRRGGRQYKRRIDAENSPYLNQPLVQPAKPK
 YNKIVSHLLVAEPEKIYAMPDPTVPDSDIKAL TTLCDLADREL VVIIGWAKHIPGFSTLSLADQMSLLQS
 AWMEILILGVVYRSLSFEDEL VYADYIMDEDQSKLAGLLDLNNAI LQLVKKYKSMKLEKEEFVTLKAIA
 LANSDSMHIEDVEAVQLQDVLHEALQDYEAGQHMEDPRRAGKMLMTLPLLRQTSTKAVQHFYNIKLEGG
 VPMHKL FLEMLEAKV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

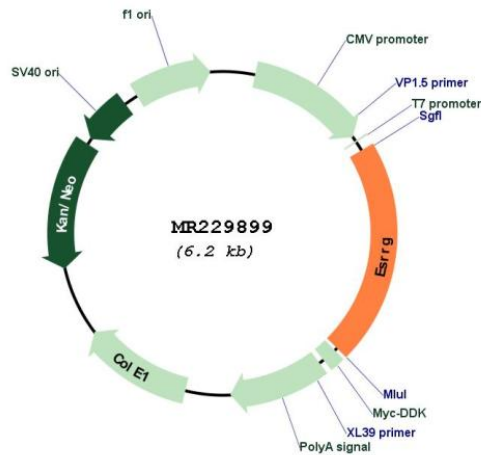
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001243792

ORF Size:	1305 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:	<ol style="list-style-type: none">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_001243792.1 , NP_001230721.1
RefSeq Size:	5374 bp
RefSeq ORF:	1308 bp
Locus ID:	26381
UniProt ID:	P62509
Cytogenetics:	1 H5- H6
MW:	49 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]