

Product datasheet for **RG215995**

Estrogen Related Receptor beta (ESRRB) (NM_004452) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Estrogen Related Receptor beta (ESRRB) (NM_004452) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Estrogen Related Receptor beta
Synonyms:	DFNB35; ERR2; ERRb; ERR beta-2; ERRbeta2; ESRL2; NR3B2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG215995 representing NM_004452
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGTCCTCGGACGACAGGCACCTGGGCTCCAGCTGCGGCTCCTTCATCAAGACTGAGCCGTCAGCCCGT
 CCTCGGGCATCGATGCCCTCAGCCACCACAGCCCAAGTGGCTCGTCCGACGCCAGCGGGCGCTTTGGCCT
 GGCCCTGGGCACCCACGCCAACGGTCTGACTCGCCACCCATGTTTGCAGGCGCCGGGCTGGGAGGCACC
 CCATGCCCAAGAGCTACGAGGACTGTGCCAGCGGCATCATGGAGGACTCGGCCATCAAGTGCAGTACA
 TGCTCAACGCCATCCCCAAGCGCTGTGCCTCGTGTGCGGGGACATTGCCTCTGGCTACCACTACGGCGT
 GGCCTCTGCGAGGCTTGAAGGCCTTCTCAAGAGGACTATCCAAGGGAACATTGAGTACAGCTGCCCCG
 GCCACCAACGAGTGCAGATCACCAACGGAGGCGCAAGTCTGCCAGGCCTGCCGTTTCATGAAATGCC
 TCAAAGTGGGGATGCTGAAGGAAGGTGTGCGCCTTGATCGAGTGGTGGAGGCCGTGAGAAATACAAGCG
 ACGGCTGGACTCAGAGAGCAGCCATACCTGAGCTTACAATTTCTCCACCTGCTAAAAAGCCATTGACC
 AAGATTGTCTCATACCTACTGGTGGCTGAGCCGACAAGCTCTATGCCATGCCTCCCCCTGGTATGCCTG
 AGGGGGACATCAAGGCCCTGACCACTCTCTGTGACCTGGCAGACCAGAGCTTGTGGTATCATTGGCTG
 GGCCAAGCACATCCCAGGCTTCTCAAGCCTCTCCCTGGGGGACCAGATGAGCCTGCTGCAGAGTGCCTGG
 ATGAAATCCTCATCCTGGGCATCGTGTACCGCTCGTGCCTACGACGACAAGCTGGTGTACGCTGAGG
 ACTACATCATGGATGAGGAGCACTCCCGCTCGCGGGGCTGTGGAGCTCTACCGGGCCATCCTGCAGCT
 GGTACGCAAGTACAAGAAGCTCAAGGTGGAGAAGGAGGAGTTTGTGACGCTCAAGGCCCTGGCCCTCGCC
 AACTCCGATTCCATGTACATCGAGGATCTAGAGGCTGTCCAGAAGCTGCAGGACCTGCTGCACGAGGCAC
 TGCAGGACTACGAGCTGAGCCAGCGCCATGAGGAGCCCTGGAGGACGGCAAGCTGCTGCAGACTGCC
 GCTGTGCGGCAGACGGCCGCAAGGCCGTGACGCACTTCTATAGCGTCAAAGTGCAGGGCAAAGTGCC
 ATGCACAAACTCTTCTGGAGATGCTGGAGGCCAAGGCCTGGGCCAGGGCTGACTCCCTTCAAGAGTGA
 GGCCACTGGAGCAAGTGCCTCTCCCTCCACCGAGCCACCAAGAGGCAGCATGTGCATTTCTAACTCC
 CTTGCCCTCCCCATCTGTGGCTGGTGGGACTGCTCAGGCTGGATACCACCTGGAGGTTTCTCT
 CCGCAGAGGGCAGGTTGGCCAAGAGCAGCT

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG215995 representing NM_004452
 Red=Cloning site Green=Tags(s)

MSSDRHLGSSCGSF IKTEPSSPSSGIDAL SHHSPSGSSDASGGFGLALGTHANGLDSPPMFAGAGLGGT
 PCRKSYEDCASGIMEDSAIKCEYMLNAIPKRLCLVCGDIASGYHYGVASCEACKAFFKRTIQGNIEYSCP
 ATNECEITKRRRKSCQACRFMKCLKVGMKEGVRLDRVRGGRQKYKRRLDSESSPYLSLQISPPAKKPLT
 KIVSYLLVAEPDKLYAMPPPGMPEGDIKALLTTLCDLADRELVVIIGWAKHIPGFSSLSLGDQMSLLQSAW
 MEILILGIVYRSLPYDDKLVYAEDYIMDEEHSRLAGLLELYRAILQLVRRYKCLKVEKEEFVTLKALALA
 NSDSMYIEDLEAVQKLQDLLHEALQDYELSQRHEEPWRTGKLLLTLPLLRQTAAKAVQHFYSVKLQKVP
 MHKLFLEMLEAKAWARADSLQEWPRLEQVPSPLHRATKRQHVHFLTPLPPPSVAWVGTAQAGYHLEVF
 PQRAGWPRAA

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_004452

ORF Size: 1500 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_004452.2](#), [NP_004443.2](#)

RefSeq Size: 2193 bp

RefSeq ORF: 1527 bp

Locus ID: 2103

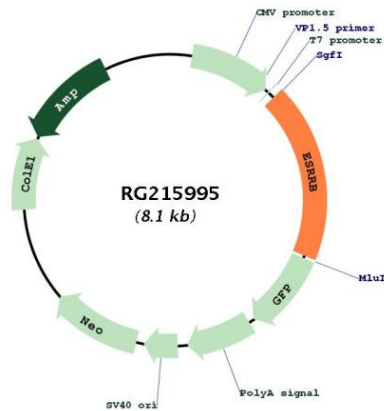
UniProt ID: [O95718](#)

Cytogenetics: 14q24.3

Protein Families: Druggable Genome, Nuclear Hormone Receptor, Transcription Factors

Gene Summary: This gene encodes a protein with similarity to the estrogen receptor. Its function is unknown; however, a similar protein in mouse plays an essential role in placental development. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RG215995