

Product datasheet for **SC123865**

Estrogen Related Receptor beta (ESRRB) (NM_004452) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Estrogen Related Receptor beta (ESRRB) (NM_004452) Human Untagged Clone
Tag:	Tag Free
Symbol:	Estrogen Related Receptor beta
Synonyms:	DFNB35; ERR2; ERRb; ERR beta-2; ERRbeta2; ESRL2; NR3B2
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene ORF sequence for NM_004452 edited
 ATGTCCTCGGACGACAGGCACCTGGGCTCCAGCTGCGGCTCCTCATCAAGACTGAGCCG
 TCCAGCCCGTCCCTCGGGCATCGATGCCCTCAGCCACCACAGCCCAAGTGGCTCGTCCGAC
 GCCAGCGGCGGCTTTGGCCTGGCCCTGGGCACCCACGCCAACGGTCTGGACTCGCCACCC
 ATGTTTGCAGGCGCCGGGCTGGGAGGCACCCATGCCGCAAGAGCTACGAGGACTGTGCC
 AGCGGCATCATGGAGGACTCGGCCATCAAGTGCGAGTACATGCTCAACGCCATCCCAAG
 CGCCTGTGCCTCGTGTGCGGGGACATTGCCTCTGGCTACCACTACGGCGTGGCCTCCTGC
 GAGGCTTGCAAGGCCTTCTTCAAGAGGACTATCCAAGGGAACATTGAGTACAGCTGCCCCG
 GCCACCAACGAGTGCAGATCACCAAACGGAGGCGCAAGTCTGCCAGGCCTGCCGCTTC
 ATGAAATGCCTCAAAGTGGGATGCTGAAGGAAGGTGTGCGCCTTGATCGAGTGCCTGGA
 GGCCGTGAGAAATACAAGCGACGGCTGGACTCAGAGAGCAGCCATACCTGAGCTTACAA
 ATTTCTCCACCTGCTAAAAGCCATTGACCAAGATTGTCTCATACCTACTGGTGGCTGAG
 CCGGACAAGCTCTATGCCATGCCTCCCCCTGGTATGCCTGAGGGGGACATCAAGGCCCTG
 ACCACTCTCTGTGACCTGGCAGACCGAGAGCTTGTGGTATCATTGGCTGGGCCAAGCAC
 ATCCCAGGCTTCTCAAGCCTCTCCCTGGGGGACCAGATGAGCCTGCTGCAGAGTGCCTGG
 ATGGAAATCCTCATCCTGGGCATCGTGTACCGCTCGTGCCTACGACGACAAGCTGGTG
 TACGCTGAGGACTACATCATGGATGAGGAGCACTCCCCTCGCGGGGCTGCTGGAGCTC
 TACCGGCCATCCTGCAGCTGGTACGCAGGTACAAGAAGCTCAAGGTGGAGAAGGAGGAG
 TTTGTGACGCTCAAGGCCCTGGCCCTCGCCAACCTCCGATTCCATGTACATCGAGGATCTA
 GAGGCTGTCCAGAAGCTGCAGGACCTGCTGCACGAGGCACTGCAGGACTACGAGCTGAGC
 CAGCGCCATGAGGAGCCCTGGAGGACGGGCAAGCTGCTGCTGACACTGCCGCTGTGCGG
 CAGACGGCCGCCAAGGCCGTGCAGCACTTCTATAGCGTCAAAGTGCAGGGCAAAGTGCCC
 ATGCACAACTCTTCTGGAGATGCTGGAGGCCAAGGCCCTGGGCCAGGGCTGACTCCCTT
 CAGGAGTGGAGGCCACTGGAGCAAGTGCCTCTCCCTCCACCGAGCCACCAAGAGGCAG
 CATGTGATTTCTAACTCCCTTCCCCCTCCCCATCTGTGGCCTGGGTGGGCACTGCT
 CAGGCTGGATACCACCTGGAGGTTTTCTTCCGACAGGGGCAAGTTGGCCAAGAGCAGCT
 TAG



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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_004452 unedited TTAGGGCGGCCGCGAATTCGGCACCAGCCGAGAGAGGTGTGGTCAGGGACATTTCCCCT GGCCGGGAGCCCATGGAGCACTGTCTCAGAGATGCGCAGGTTAGGCTCACTGTCTAGGC CAGGCCACCTTAGTCACTGTGGACTGGCAATGGAAGCTTCTCTGGACACACCTGCCCT AGCCCTCACCTGGGGTGAAGAGAAATGAGCTTGGCTTGCAACTCAGACCATTCCACGG AGGCATCTCCCCTTCTGGGCTGGTGAATAAAAAGTTTCTGAGGTCAAGGACTTCCTTT TCCCTGCCAAAAATGGTGTCCAGAACTTTGAGGCCAGAGGTGATCCAGTGATTTGGGAGCT GCAGGTACACAGGCTGCTCAGAGGGCTGCTGAACAGGATGCTCCTCGGACGACAGGCACC TGGGCTCCAGCTGCGGCTCCTTCATCAAGACTGAGCCGTCAGCCGCTCCTCGGGCATCG ATGCCCTCAGCCACCACAGCCCCAGTGGCTCGTCCGACGCCAGCGGGGCTTTGGCTGG CCCTGGGCACCCACGCCAACGGTCTGGACTCGCCACCCATGTTTGCAGGCGCCGGGCTGG GAGGCACCCCATGCCGAAGAGCTACGAGGACTGTCCAGCGGCATCATGGAGGACTCGG CCATCAAGTGCAGTACATGCTCAACGCCATCCCCAAGCGCTGTGCCTCGTGTGCGGNG ACATTGCCTCTGGCTACCACTC
3' Read Nucleotide Sequence:	>OriGene 3' read for NM_004452 unedited GGAGAGGCACTGGGGAGGGTGCAGGGATGCCACCCGGGATCTGTTTCAGGAAACAGCTA TGACCGCGGCCGCAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT TTTTTGGATTTTCATGTTTTATTTCTTGGTTCAATTCAAATGACCTGTATCATGAGAGTA CAGCTGAGACAGGCTGTTTCTCTTTACAGATTTCCAGAAATGGCAGGTTTAGGGTAA CTTGAGATCTGTTCCACTGGGGGAAGGTTCCCCTAAACTCTCCTCACTTTACCACCTTCC ACTAAGTCAGTCTCTCCCTTCCCGGAGAGGGTCTCATCTGGCCAGGATTCAGCTAA AAAGTTGGCCCTGAACCTCTTTCTGAGTGTCCAGTGGACCCCTTCAGTACCAGGAACT TTCCCATTTGGATGGAGTTCCATTGTTACTGACACATTTCTGTTGTGATCTGAGTTTTAA GTATAAAAGCAGCTTCCACCTCATGGACACCAACCATCAGGACTTCCGCCCCACTCTGCT AGAGGGGCTCTGAAGTGAGGTCCTCGCAGCAACTAGATCCAGTGAGGTGCAGCTGCC TGGTGTGCAAAACACCCACTTGCTCCAAGCCAGATGTTACATGGTGAGCCAGAGATGCTT TCCCTGGCCTCCTGGTGTCTAGTGTGGGTGAGATCTGCCTGCCTCTCTATTGANGGG GGTTGGACTAGAAAGGCGN
Restriction Sites:	Please inquire
ACCN:	NM_004452
Insert Size:	2300 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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:	<u>NM_004452.2</u> , <u>NP_004443.2</u>

RefSeq Size:	3029 bp
RefSeq ORF:	1503 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]