

ESRRA cDNA

Catalog Number: ATGD0075

PRODUCT INFORMATION

Catalog number

ATGD0075

Product type

cDNA

Species

Human

NCBI Accession No.

NP_004442.3

Alternative Names

ERR1, ERRa, ERRalpha, ESRL1, NR3B1, Steroid hormone receptor ERR1, Estrogen-related receptor alpha (ERR-alpha)

mRNA Refseq

NM_004451.4

OMIM

601998

Chromosome location

11q13

PRODUCT SPECIFICATION

Formulation

Lyophilized

Storage

Store the plasmid at -20C.

cDNA Size

1272bp

Preparation before usage

1. Centrifuge at 7000rpm for 1 minute.
2. Carefully open the vial and add 100ul of sterile water to dissolve the DNA. Each tube contains approximately 10ug of lyophilized plasmid.

Vector description

This shuttle vector contains the complete ORF. It is inseted BamH I to Hind III. The gene insert contains multiple cloning sites which can be used to easily cut and transfer the gene and recombination site into your expression vector.

Cloning Vector

pATGen (puc19-derived cloning vector)

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General Description

ESRRA encoded by this gene is a nuclear receptor that is closely related to the estrogen receptor. ESRRA acts as a site-specific transcription regulator and has been also shown to interact with estrogen and the transcription factor TFIIB by direct protein-protein contact. The binding and regulatory activities of this protein have been demonstrated in the regulation of a variety of genes including lactoferrin, osteopontin, medium-chain acyl coenzyme A dehydrogenase (MCAD) and thyroid hormone receptor genes. A processed pseudogene of ESRRA is located on chromosome 13q12. 1. Alternatively spliced transcript variants have been found for this gene.

DATA**Sequence nucleotides**

ATGTCCAGCC AGGTGGTGGG CATTGAGCCT CTCTACATCA AGGCAGAGCC GGCCAGCCCT GACAGTCCAA
 AGGGTTCTC GGAGACAGAG ACCGAGCCTC CTGTGGCCCT GGCCCTGGT CCAGCTCCCA CTCGCTGCCT
 CCCAGGCCAC AAGGAAGAGG AGGATGGGGA GGGGGCTGGG CCTGGCGAGC AGGGCGGTGG GAAGCTGGTG
 CTCAGCTCCC TGCCCAAGCG CCTCTGCCTG GTCTGTGGGG ACGTGGCCTC CGGCTACCAC TATGGTGTGG
 CATCCTGTGA GGCCTGCAA GCCTTCTTCA AGAGGACCAT CCAGGGGAGC ATCGAGTACA GCTGTCCGGC
 CTCCAACGAG TGTGAGATCA CCAAGCGGAG ACGCAAGGCC TGCCAGGCCT GCCGCTTCAC CAAGTGCCTG
 CGGGTGGGCA TGCTCAAGGA GGGAGTGCGC CTGGACCGCG TCCGGGGTGG GCGGCAGAAG TACAAGCGGC
 GGCCGGAGGT GGACCCACTG CCCTTCCCGG GCCCCTTCCC TGCTGGGCCC CTGGCAGTCG CTGGAGGCC
 CCGGAAGACA GCAGCCCCAG TGAATGCACT GGTGTCTCAT CTGCTGGTGG TTGAGCCTGA GAAGCTCTAT
 GCCATGCCTG ACCCCGCAGG CCCTGATGGG CACCTCCAG CCGTGGCTAC CCTCTGTGAC CTCTTTGACC
 GAGAGATTGT GGTCACCATC AGCTGGGCCA AGAGCATCCC AGGCTTCTCA TCGCTGTGCG TGTCTGACCA
 GATGTCAGTA CTGCAGAGCG TGTGGATGGA GGTGCTGGTG CTGGGTGTGG CCCAGCGCTC ACTGCCACTG
 CAGGATGAGC TGGCCTTCGC TGAGGACTTA GTCCTGGATG AAGAGGGGGC ACGGGCAGCT GGCCTGGGGG
 AACTGGGGGC TGCCCTGCTG CAACTAGTGC GGCGGCTGCA GGCCCTGCGG CTGGAGCGAG AGGAGTATGT
 TCTACTAAAG GCCTTGGCCC TTGCCAATTC AGACTCTGTG CACATCGAAG ATGCCGAGGC TGTGGAGCAG
 CTGCGAGAAG CTCTGCACGA GGCCCTGCTG GAGTATGAAG CCGGCCGGGC TGGCCCCGGA GGGGGTGTG
 AGCGGCGGCG GCGGGCAGG CTGCTGCTCA CGCTACCGCT CCTCCGCCAG ACAGCGGGCA AAGTGTGGC
 CCATTTCTAT GGGGTGAAGC TGGAGGGCAA GGTGCCCATG CACAAGCTGT TCTTGAGAT GCTCGAGGCC
 ATGATGGACT GA

Transaction Sequence

MSSQVVGIEP LYIKAEPASP DSPKGSSETE TEPPVALAPG PAPTRCLPGH KEEEDGEAG PGEQGGGKLV LSSLPKRLCL
 VCGDVASGYH YGVASCEACK AFFKRTIQS IEYSCPASNE CEITKRRRKA CQACRFTKCL RVGMLKEGVR LDRVRRGGRQK
 YKRRPEVDPL PFPGPPAGP LAVAGGPRKT AAPVNALVSH LLVVEPEKLY AMPDPAGPDG HLPVATLCD LFDREIVTI
 SWAKSIPGFS SLSLSDQMSV LQSVWMEVLV LGVAQRSLPL QDELFAEDL VLDEEGARAA GLGELGAALL QLVRRQLALR
 LEREEYVLLK ALALANSDSV HIEDAEAVEQ LREALHEALL EYEAGRAGPG GGAERRRAGR LLLTLPLLRQ TAGKVLAHFY
 GVKLEGKVPM HKLFLEMLEA MMD