

# Recombinant Full Length Human ESRRA Protein, GST-tagged

**Cat. No.** ESRRA-4722HF    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	Human ESRRA full-length ORF ( NP_004442.3, 1 a.a. - 423 a.a.) recombinant protein with GST-tag at N-terminal.
<b>Species</b>	Human
<b>Source</b>	In Vitro Cell Free System
<b>ProteinLength</b>	423 amino acids
<b>Description</b>	<p>The protein encoded by this gene is a nuclear receptor that is closely related to the estrogen receptor. This protein acts as a site-specific transcription regulator and has been also shown to interact with estrogen and the transcription factor TFIIIB 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. [provided by RefSeq, Sep 2013]</p>
<b>Molecular Mass</b>	71.9 kDa
<b>AA Sequence</b>	<p>MSSQVVGIEPLYIKAEPASPDSPKGSSETETETPPVALAPGPAPTRCLPGHKEEEDGE  GAGPGEQGGGKLVLSSLPKRLCLVCGDVASGYHYGVASCEACKAFFKRTIQGSIEY  SCPASNECEITKRRRKACQACRFTKCLRVMGMLKEGVRLDRVRGGRQKYKRRPEVD  PLPFPGPFPAAGPLAVAGGPRKTAAPVNALVSHLLVVEPEKLYAMPDPAGPDGHLPA</p>

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VATLCDLFDREIVVTISWAKSIPGFSSLSLSDQMSVLQSVWMEVLVLGVAQRSLPLQ  
 DELAFAEDLVLDEEGARAAGLGELGAALLQLVRRRLQALRLEREEYVLLKALALANS  
 SVHIEDAEAVEQLREALHEALLEYEAGRAGPGGGAERRRAGRLLLLTLPLLRQTAGKV  
 LAHFYGVKLEGKVPMHKLFLEMLEAMMD

<b>Applications</b>	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
<b>Notes</b>	Best use within three months from the date of receipt of this protein.
<b>Storage</b>	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
<b>Storage Buffer</b>	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

## GENE INFORMATION

<b>Gene Name</b>	ESRRA estrogen-related receptor alpha [ Homo sapiens ]
<b>Official Symbol</b>	ESRRA
<b>Synonyms</b>	ESRRA; estrogen-related receptor alpha; ESRL1; steroid hormone receptor ERR1; ERR1; ERRa; ERRalpha; NR3B1; ERR-alpha; estrogen receptor-like 1; estrogen-related nuclear receptor alpha; nuclear receptor subfamily 3 group B member 1;
<b>Gene ID</b>	2101
<b>mRNA Refseq</b>	NM_004451
<b>Protein Refseq</b>	NP_004442



<b>MIM</b>	601998
<b>UniProt ID</b>	P11474

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