



Human ESRRA peptide (DAG-P0409)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	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 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. [provided by RefSeq, Sep 2013]
Purity	> 90 % by SDS-PAGE. This peptide is greater than 70% pure.
Conjugate	Unconjugated
Applications	Neut
Sequence Similarities	Belongs to the nuclear hormone receptor family. NR3 subfamily. Contains 1 nuclear receptor DNA-binding domain.
Format	Liquid
Buffer	Double distilled water or equivalent after reconstitution.
Preservative	None
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles. Double distilled water or equivalent after reconstitution.

GENE INFORMATION

Gene Name [ESRRA estrogen-related receptor alpha \[Homo sapiens \(human\) \]](#)

Official Symbol	ESRRA
Synonyms	ESRRA; estrogen-related receptor alpha; ERR1; ERRa; ESRL1; NR3B1; ERRalpha; steroid hormone receptor ERR1; ERR-alpha; estrogen receptor-like 1; estrogen-related nuclear receptor alpha; nuclear receptor subfamily 3 group B member 1;
Entrez Gene ID	2101
mRNA Refseq	NM_001282450.1
Protein Refseq	NP_001269379.1
UniProt ID	P11474
Chromosome Location	11q13
Pathway	Energy Metabolism, organism-specific biosystem; Fatty acid, triacylglycerol, and ketone body metabolism, organism-specific biosystem; Gene Expression, organism-specific biosystem; Generic Transcription Pathway, organism-specific biosystem; Metabolism, organism-specific biosystem; Metabolism of lipids and lipoproteins, organism-specific biosystem; Mitochondrial Gene Expression, organism-specific biosystem; Nuclear Receptor transcription pathway, organism-specific biosystem; Nuclear Receptors, org
Function	DNA binding; ligand-activated sequence-specific DNA binding RNA polymerase II transcription factor activity; protein binding; protein domain specific binding; sequence-specific DNA binding; steroid binding; steroid hormone receptor activity; zinc ion bind