

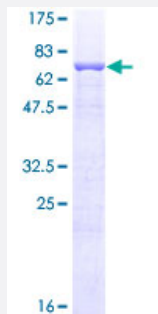
Full-Length

ESRRA (Human) Recombinant Protein (P01)

Catalog # H00002101-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human ESRRA full-length ORF (NP_004442.3, 1 a.a. - 423 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MSSQVVGIEPLYKAEPASPDSPKGSSETETETPPVALAPGPAPTRCLPGHKEEEDGEGAGPGEQ
GGGKLVSSLPKRLCLVCGDVASGYHYGVASCEACKAFFKRTIQGSIEYSCPASNECEITKRRRK
ACQACRFTKCLRVGMLKEGVRLDRVRGGRQKYKRRPEVDPLPFGPFPAGPLAVAGGPRKTAA
PVNALVSHLLVVEPEKLYAMPDPAGPDGHLPAVATLCDLFDREIVTISWAKSIPGFSSLSLSDQ
MSVLQSVWMEVLVLGVAQRSLPLQDELAFAEDLVLDEEGARAAGLGELGAALLQLVRRQLALRL
EREEYVLLKALALANSDSVHIEDAEAVEQLREALHEALLEYEAGRAGPGGGAERRRAGRLLLLTLP
LLRQTAGKVLAHFYGVKLEGKVPMHKLFLEMLEAMMD

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

71.9

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing

12.5% SDS-PAGE Stained with Coomassie Blue.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

Storage Instruction

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Note

Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — ESRRA

Entrez GeneID [2101](#)

GeneBank Accession# [NM_004451.3](#)

Protein Accession# [NP_004442.3](#)

Gene Name ESRRA

Gene Alias ERR1, ERRa, ERRalpha, ESRL1, NR3B1

Gene Description estrogen-related receptor alpha

Omim ID [601998](#)

Gene Ontology [Hyperlink](#)

Gene Summary 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. [provided by RefSeq]

Other Designations estrogen receptor-like 1

Disease

- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Neoplasms](#)
- [Obesity](#)
- [Ovarian cancer](#)
- [Ovarian Neoplasms](#)