

Recombinant Human ESR1 protein

Cat. No. ESR1-28401TH Lot. No. (See product label)

SPECIFICATION

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|-------------------------|--|
| Product Overview | Recombinant Human ESR1 was expressed in E. coli. |
| Species | Human |
| Source | E.coli |
| Form | 20% Glycerol, 50mM Tris acetate, 1mM EDTA, pH 7.5 |
| Purity | > 95 % by SDS-PAGE. |
| Applications | Western blot; ELISA |
| Storage | Shipped at 4 centigrade. Upon delivery aliquot and store at -20 centigrade or -80 centigrade. Avoid repeated freeze / thaw cycles. |
| Concentration | 0.1 mg/ml |

GENE INFORMATION

| | |
|------------------------|---|
| Gene Name | ESR1 estrogen receptor 1 [Homo sapiens] |
| Official Symbol | ESR1 |
| Synonyms | ESR1; estrogen receptor 1; ESR; estrogen receptor; Era; NR3A1; ER-alpha; estradiol receptor; estrogen nuclear receptor alpha; estrogen receptor alpha delta 4 +49 |

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isoform; nuclear receptor subfamily 3 group A member 1; estrogen receptor alpha 3*,4,5,6,7*/822 isoform; estrogen receptor alpha delta 4*,5,6,7*/654 isoform; estrogen receptor alpha delta 4*,5,6,7,8*/901 isoform; estrogen receptor alpha delta 3*,4,5,6,7*/819-2 isoform; estrogen receptor alpha delta 3*,4,5,6,7*,8*/941 isoform; ER; ESRA; DKFZp686N23123;

Gene ID [2099](#)

mRNA Refseq [NM_000125](#)

Protein Refseq [NP_000116](#)

MIM

UniProt ID [P03372](#)

Chromosome Location 6q24-q27

Pathway Androgen Receptor Signaling Pathway, organism-specific biosystem; Endocrine and other factor-regulated calcium reabsorption, organism-specific biosystem; Endocrine and other factor-regulated calcium reabsorption, conserved biosystem; Estrogen signaling pathway, organism-specific biosystem

Function DNA binding; beta-catenin binding; chromatin binding; core promoter sequence-specific DNA binding; enzyme binding; enzyme binding; estrogen receptor activity; estrogen receptor activity; estrogen response element binding; hormone binding; identical protein binding; ligand-activated sequence-specific DNA binding RNA polymerase II transcription factor activity; metal ion binding; nitric-oxide synthase regulator activity; protein binding; protein complex binding; receptor activity

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