

Recombinant Human ESR1 Protein

Cat. No. ESR1-24H Lot. No. (See product label)

SPECIFICATION

Product Overview Recombinant Human ESR1 full-length protein, without tag, was expressed in insect cell.

Species Human

Source Insect Cells

Description This gene encodes an estrogen receptor, a ligand-activated transcription factor composed of several domains important for hormone binding, DNA binding, and activation of transcription. The protein localizes to the nucleus where it may form a homodimer or a heterodimer with estrogen receptor 2. Estrogen and its receptors are essential for sexual development and reproductive function, but also play a role in other tissues such as bone. Estrogen receptors are also involved in pathological processes including breast cancer, endometrial cancer, and osteoporosis. Alternative promoter usage and alternative splicing result in dozens of transcript variants, but the full-length nature of many of these variants has not been determined. [provided by RefSeq, Mar 2014]

Applications Nuclear Receptor Assay

Notes For Research Use Only. Not for use in diagnostic procedures.

Storage One tube of full-length ER Alpha Recombinant Protein. Store at -68 to -85 centigrade.

GENE INFORMATION

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Gene Name	ESR1 estrogen receptor 1 [Homo sapiens (human)]
Official Symbol	ESR1
Synonyms	ESR1; estrogen receptor 1; ER; ESR; ESRA; Era; NR3A1; ESTRR; estrogen receptor; ER-alpha; estradiol receptor; estrogen nuclear receptor alpha; estrogen receptor alpha E1-E2-1-2; estrogen receptor alpha E1-N2-E2-1-2; nuclear receptor subfamily 3 group A member 1
Gene ID	2099
mRNA Refseq	NM_000125
Protein Refseq	NP_000116
MIM	133430
UniProt ID	P03372

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