

Recombinant Human ESR2, GST-tagged

Cat. No. ESR2-122H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human GST-tagged Estrogen receptor beta ligand-binding domain (ER β -LBD) consists of a 218 a.a. GST tag, a 30 a.a. flexible linker and a 346 a.a. ER β -LBD, Acc# NP_001428, amino acids 243-530, was expressed in baculovirus-infected insect cells and purified using affinity chromatography.
Species	Human
Source	Sf9 Cells
Description	Estrogen receptor beta (ER β) is also known as NR3A2 (nuclear receptor subfamily 3, group A, member 2).
Form	50 mM Tris-HCl pH 8.0, 150 mM NaCl, 0.5 mM EDTA, 20 mM Na ₂ MoO ₄ , 7 mM reduced glutathione, 20% glycerol.
Purity	>90%
Applications	Ligand binding and coactivator peptide recruitment assays.
Storage	Immediately store at -80°C. Avoid freeze-thaw cycles. While working, please keep sample on ice.

GENE INFORMATION

Gene Name	ESR2 estrogen receptor 2 (ER beta) [Homo sapiens]
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Official Symbol	ESR2
Synonyms	ESR2; estrogen receptor 2 (ER beta); estrogen receptor beta; Erb; NR3A2; estrogen receptor beta 4; estrogen nuclear receptor beta variant a; estrogen nuclear receptor beta variant b; nuclear receptor subfamily 3 group A member 2; ESRB; ESTRB; ER-BETA; ESR-BETA;
Gene ID	2100
mRNA Refseq	NM_001040275
Protein Refseq	NP_001035365
MIM	601663
UniProt ID	Q92731
Chromosome Location	14q21-q22
Pathway	Androgen Receptor Signaling Pathway, organism-specific biosystem; Gene Expression, organism-specific biosystem; Generic Transcription Pathway, organism-specific biosystem; Nuclear Receptor transcription pathway, organism-specific biosystem; Nuclear Receptors, organism-specific biosystem; Ovarian Infertility Genes, organism-specific biosystem; Plasma membrane estrogen receptor signaling, organism-specific biosystem;
Function	DNA binding; core promoter sequence-specific DNA binding; enzyme binding; estrogen receptor activity; estrogen response element binding; ligand-activated sequence-specific DNA binding RNA polymerase II transcription factor activity; metal ion binding; protein binding; receptor activity; receptor antagonist activity; sequence-

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specific DNA binding; sequence-specific DNA binding transcription factor activity;
steroid binding; steroid hormone receptor activity; transcription coactivator activity;
zinc ion binding;

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