Recombinant Human Estrogen beta receptor LBD/Hsp90 complex, GST-tagged

Cat. No. ESR2-103H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human GST-tagged Estrogen beta receptor ligand-binding domain (ERβ-LBD) consists of a 218 a.a. GST tag, a 30 a.a. flexible linker and a 346 a.a. ERβ-LBD, Acc# NP_001428, amino acids 243-530. It was produced in complex with human Hsp90 to facilitate native protein conformation and advanced performance in ligand binding and coactivator peptide recruitment assays. GST tagged ERβ-LBD and human Hsp90 are major components of the complex. Identity of ERβ-LBD and Hsp90 in the complex was confirmed using mass spectrometry.
Species	Human
Source	Sf9 Cells
Form	40 mM Na-P pH 8.0, 40 mM KCl, 0.02% NP40, 7 mM reduced glutathione, 20mM Na2MoO4, 15% glycerol.
Purity	>90%
Applications	Ligand binding and coactivator peptide recruitment assays.
Storage	Immediately store at -80℃. Avoid freeze-thaw cycles.While working, please keep sample on ice.

GENE INFORMATION

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Gene Name	ESR2 estrogen receptor 2 (ER beta) [Homo sapiens]
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

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	sequence-specific DNA binding RNA polymerase II transcription factor activity; metal ion binding; protein binding; receptor activity; receptor antagonist activity; sequence-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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