

Recombinant Human Pregnane X receptor LBD/Hsp90 complex, GST-tagged

Cat. No. NR1I2-107H Lot. No. (See product label)

SPECIFICATION

Product Overview Recombinant Human GST-tagged Pregnane X receptor ligand-binding domain (PXR-LBD) consists of a 218 a.a. GST tag, a 14 a.a. flexible linker and a 233 a.a. PXR, NR1I2 ligand binding domain, Acc# AAH17304.2, amino acids 201-433. Human Pregnane X receptor ligand-binding domain (PXR-LBD) in complex with human Hsp90 was produced in insect cells co-infected with two recombinant baculoviruses. GST tagged PXR-LBD, Hsp90 and Hsc70 are the major components of the complex.

Species Human

Source Sf9 Cells

Form 20 mM Na-P pH 8.0, 40 mM KCl, 20 mM Na₂MoO₄, 7 mM reduced glutathione, 15% 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 NR1I2 nuclear receptor subfamily 1, group I, member 2 [Homo sapiens]

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Official Symbol	NR1I2
Synonyms	NR1I2; nuclear receptor subfamily 1, group I, member 2; nuclear receptor subfamily 1 group I member 2; BXR; ONR1; PAR2; PXR; SXR; pregnane X receptor; orphan nuclear receptor PXR; orphan nuclear receptor PAR1; steroid and xenobiotic receptor; pregnane X nuclear receptor variant 2; PAR; PRR; SAR; PAR1; PARq;
Gene ID	8856
mRNA Refseq	NM_003889
Protein Refseq	NP_003880
MIM	603065
UniProt ID	O75469
Chromosome Location	3q12-q13.3
Pathway	Gene Expression, organism-specific biosystem; Generic Transcription Pathway, organism-specific biosystem; Nuclear Receptor transcription pathway, organism-specific biosystem; Nuclear Receptors, organism-specific biosystem; Nuclear receptors in lipid metabolism and toxicity, organism-specific biosystem;
Function	drug binding; ligand-activated sequence-specific DNA binding RNA polymerase II transcription factor activity; metal ion binding; protein binding; receptor activity; sequence-specific DNA binding; sequence-specific DNA binding transcription factor activity; steroid hormone receptor activity; transcription coactivator activity; zinc ion binding;

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