

Recombinant Human Constitutive androstane receptor Hsp90 complex, GST-tagged

Cat. No. NR1I3-108H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human GST-tagged Constitutive androstane receptor (CAR) consists of a 218 a.a. GST tag, a 13 a.a. flexible linker and 352 a.a. human CAR, Acc# NP_001070948. Human Constitutive androstane receptor ligand-binding domain (CAR) in complex with human Hsp90 was produced in insect cells co-infected with two recombinant baculoviruses. GST tagged CAR and Hsp90 are the major components of the complex.
Species	Human
Source	Sf9 Cells
Description	Constitutive androstane receptor is also known as nuclear receptor subfamily 1, group I, member 3 (NR1I3). In the cytoplasm it is found in complexes with Hsp90 which suggests its involvement in the receptor function.
Form	20 mM Na-P pH 8.0, 40 mM KCl, 20 mM Na ₂ MoO ₄ , 7 mM reduced glutathione, 15% glycerol.
Purity	>70%
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.

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GENE INFORMATION

Gene Name	NR1I3 nuclear receptor subfamily 1, group I, member 3 [Homo sapiens]
Official Symbol	NR1I3
Synonyms	NR1I3; nuclear receptor subfamily 1, group I, member 3; nuclear receptor subfamily 1 group I member 3; CAR; CAR1; constitutive androstane receptor; MB67; constitutive active receptor; constitutive active response; orphan nuclear receptor MB67; orphan nuclear hormone receptor; constitutive activator of retinoid response; constitutive androstane nuclear receptor variant 2; constitutive androstane nuclear receptor variant 3; constitutive androstane nuclear receptor variant 4; constitutive androstane nuclear receptor variant 5; MGC97144; MGC97209; MGC150433;
Gene ID	9970
mRNA Refseq	NM_001077469
Protein Refseq	NP_001070937
MIM	603881
UniProt ID	
Chromosome Location	1q23.3
Pathway	Gene Expression, organism-specific biosystem; Generic Transcription Pathway, organism-specific biosystem; Glucocorticoid receptor regulatory network, 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;

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Function

DNA binding; androgen receptor activity; ligand-activated sequence-specific DNA binding RNA polymerase II transcription factor activity; metal ion binding; receptor activity; sequence-specific DNA binding; sequence-specific DNA binding transcription factor activity; steroid hormone receptor activity; thyroid hormone receptor activity; transcription coactivator activity; zinc ion binding;

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