

# Recombinant Human Constitutive androstane receptor Hsp90 complex, GST-tagged

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

## SPECIFICATION

<b>Product Overview</b>	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.
<b>Species</b>	Human
<b>Source</b>	Sf9 Cells
<b>Description</b>	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.
<b>Form</b>	20 mM Na-P pH 8.0, 40 mM KCl, 20 mM Na <sub>2</sub> MoO <sub>4</sub> , 7 mM reduced glutathione, 15% glycerol.
<b>Purity</b>	>70%
<b>Applications</b>	Ligand binding and coactivator peptide recruitment assays.
<b>Storage</b>	Immediately store at -80°C. Avoid freeze-thaw cycles. While working, please keep sample on ice.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

## 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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