

## Recombinant Human NR1I3 293 Cell Lysate

**Cat. No.** NR1I3-3717HCL    **Lot. No.** (See product label)

### SPECIFICATION

<b>Species</b>	Human
<b>Source</b>	HEK293
<b>Description</b>	Antigen standard for nuclear receptor subfamily 1, group I, member 3 (NR1I3), transcript variant 3 is a lysate prepared from HEK293T cells transiently transfected with a TrueORF gene-carrying pCMV plasmid and then lysed in RIPA Buffer. Protein concentration was determined using a colorimetric assay. The antigen control carries a C-terminal Myc/DDK tag for detection.
<b>Components</b>	This product includes 3 vials: 1 vial of gene-specific cell lysate, 1 vial of control vector cell lysate, and 1 vial of loading buffer. Each lysate vial contains 0.1 mg lysate in 0.1 ml (1 mg/ml) of RIPA Buffer (50 mM Tris-HCl pH7.5, 250 mM NaCl, 5 mM EDTA, 50 mM NaF, 1% NP40). The loading buffer vial contains 0.5 ml 2X SDS Loading Buffer (125 mM Tris-Cl, pH6.8, 10% glycerol, 4% SDS, 0.002% Bromophenol blue, 5% beta-mercaptoethanol).
<b>Size</b>	0.1 mg
<b>Storage Instruction</b>	Store at -80°C. Minimize freeze-thaw cycles. After addition of 2X SDS Loading Buffer, the lysates can be stored at -20°C. Product is guaranteed 6 months from the date of shipment.
<b>Applications</b>	ELISA, WB, IP. WB: Mix equal volume of lysates with 2X SDS Loading Buffer. Boil the mixture for 10 min before loading (for membrane protein lysates, incubate the

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mixture at room temperature for 30 min). Load 5 ug lysate per lane.

## 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\\_005122](#)

**Protein Refseq** [NP\\_005113](#)

**MIM** [603881](#)

**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

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metabolism and toxicity, organism-specific biosystem;

**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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