Recombinant Human NR1I3

Cat. No. NR1I3-26255TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human Constitutive androstane receptor with proprietary tag.
Species	Human
Source	E.coli
Description	This gene encodes a member of the nuclear receptor superfamily, and is a key regulator of xenobiotic and endobiotic metabolism. The protein binds to DNA as a monomer or a heterodimer with the retinoid X receptor and regulates the transcription of target genes involved in drug metabolism and bilirubin clearance, such as cytochrome P450 family members. Unlike most nuclear receptors, this transcriptional regulator is constitutively active in the absence of ligand but is regulated by both agonists and inverse agonists. Ligand binding results in translocation of this protein to the nucleus, where it activates or represses target gene transcription. These ligands include bilirubin, a variety of foreign compounds, steroid hormones, and prescription drugs. Multiple transcript variants encoding different isoforms have been found for this gene.
Biological activity	1 unit equals 1 nanogram of purified protein.
Form	Liquid
Storage buffer	Preservative: NoneConstituents: 20% Glycerol, 20mM Tris HCl, 100mM Potassium chloride, 1mM DTT, 0.2mM EDTA, pH 8.0

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Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Full Length	Full L.

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;
Gene ID	9970
mRNA Refseq	NM_001077469
Protein Refseq	NP_001070937
MIM	603881
Uniprot ID	Q14994
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;

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Function	DNA binding; androgen receptor activity; ligand-dependent nuclear receptor activity; metal ion binding; receptor activity;

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