Recombinant Human Nuclear Receptor Subfamily 1, Group I, Member 3, GST-tagged

Cat. No. NR1I3-1277H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human NR1I3, Ligand Binding Domain with GST tag,containing amino acids 101-348.
Species	Human
Source	E.coli
ProteinLength	101-348 a.a.
Description	NR1I3 was identified as amember of the orphan nuclear hormone receptor family in 1994. Althoughconstitutively acitve, it can be further activated by phenobarbitol-likecompounds, the most potent being the synthetic compound TCPOBOP. Uponactivation, NR1I3 regulates the xenobiotic drug metabolizing enzymes,cytochrome P450s.
Form	Liquid in 20 mMTris-Cl + 25% glycerol + 100 mM KCl + 1 mM DTT + 0.2 mM EDTA.
Purity	> 95%as determined by SDS-PAGE analysis
Applications	In vitro transcriptionassays; DNA-protein interaction assays; Protein-protein interaction assays.
storage	Stablefor 1 year in working aliquots at -80°C. Avoidrepeated freeze-thaw cycles.

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OfficialSymbol	NR1I3
Pathways	Gene Expression; Generic TranscriptionPathway; Glucocorticoid receptor regulatory network; Nuclear Receptortranscription pathway; Nuclear Receptors; Nuclear receptors in lipidmetabolism and toxicity

GENE INFORMATION

Gene Name	NR1I3 nuclear receptor subfamily1, group I, member 3 [Homo sapiens]
Synonyms	NR1I3; nuclear receptorsubfamily 1, group I, member 3; CAR; CAR1; MB67; MGC97144; MGC97209;MGC150433; constitutive androstane receptor; OTTHUMP00000032246; constitutiveactive receptor; orphan nuclear hormone receptor; constitutive activator ofretinoid response; Nuclear receptor subfamily 1 group I member 3; Orphannuclear receptor MB67; OTTHUMP00000032245
Gene ID	9970
mRNA Refseq	NM_001077469
Protein Refseq	NP_001070937
MIM	603881
UniProt ID	Q14994
Chromosome Location	1q23.3
Function	DNA binding; androgen receptor activity; ligand-dependentnuclear receptor activity; metal ion binding; receptor activity; sequence-specificDNA binding; sequence-specific

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	DNA binding transcription factor activity; steroidhormone receptor activity; thyroid hormone receptor activity; transcriptioncoactivator activity; zinc ion binding
PDBrendering based on 1xv9.	

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