

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

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

SPECIFICATION

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| 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 a member of the orphan nuclear hormone receptor family in 1994. Although constitutively active, it can be further activated by phenobarbital-like compounds, the most potent being the synthetic compound TCPOBOP. Upon activation, NR1I3 regulates the xenobiotic drug metabolizing enzymes, cytochrome P450s. |
| Form | Liquid in 20 mM Tris-Cl + 25% glycerol + 100 mM KCl + 1 mM DTT + 0.2 mM EDTA. |
| Purity | > 95% as determined by SDS-PAGE analysis |
| Applications | In vitro transcription assays; DNA-protein interaction assays; Protein-protein interaction assays. |
| storage | Stable for 1 year in working aliquots at -80°C. Avoid repeated 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; Orphanuclear 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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