

## Recombinant Human NR1D2

**Cat. No.** NR1D2-30452TH    **Lot. No.** (See product label)

### SPECIFICATION

|                            |                                                                                                                                                                                                                                                                                                                             |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b>    | Recombinant full length human NR1D2 expressed in baculovirus system; amino acids 1-408, 46kDa.                                                                                                                                                                                                                              |
| <b>Species</b>             | Human                                                                                                                                                                                                                                                                                                                       |
| <b>ProteinLength</b>       | 1-408 a.a.                                                                                                                                                                                                                                                                                                                  |
| <b>Description</b>         | This gene encodes a member of the nuclear hormone receptor family, specifically the NR1 subfamily of receptors. The encoded protein functions as a transcriptional repressor and may play a role in circadian rhythms and carbohydrate and lipid metabolism. Alternatively spliced transcript variants have been described. |
| <b>Biological activity</b> | NR1D2-30452TH contains no detectable proteases, DNase and RNase activity.                                                                                                                                                                                                                                                   |
| <b>Form</b>                | Liquid                                                                                                                                                                                                                                                                                                                      |
| <b>Purity</b>              | Immunogen affinity purified                                                                                                                                                                                                                                                                                                 |
| <b>Storage buffer</b>      | Preservative: None<br>Constituents: 20% Glycerol, 20mM Tris Cl, 100mM Potassium chloride, 1mM DTT, 0.2mM EDTA, pH 8.0                                                                                                                                                                                                       |
| <b>Storage</b>             | Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.                                                                                                                                                                                                                                   |
| <b>Sequence</b>            | Belongs to the nuclear hormone receptor family. NR1 subfamily. Contains 1 nuclear                                                                                                                                                                                                                                           |

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|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Similarities</b>        | receptor DNA-binding domain.                                                                                                                                                                                                                                                                                    |
| <b>Full Length</b>         | Full L.                                                                                                                                                                                                                                                                                                         |
| <b>GENE INFORMATION</b>    |                                                                                                                                                                                                                                                                                                                 |
| <b>Gene Name</b>           | NR1D2 nuclear receptor subfamily 1, group D, member 2 [ Homo sapiens ]                                                                                                                                                                                                                                          |
| <b>Official Symbol</b>     | NR1D2                                                                                                                                                                                                                                                                                                           |
| <b>Synonyms</b>            | NR1D2; nuclear receptor subfamily 1, group D, member 2; nuclear receptor subfamily 1 group D member 2; BD73; EAR 1r; Hs.37288; HZF2; RVR;                                                                                                                                                                       |
| <b>Gene ID</b>             | 9975                                                                                                                                                                                                                                                                                                            |
| <b>mRNA Refseq</b>         | NM_001145425                                                                                                                                                                                                                                                                                                    |
| <b>Protein Refseq</b>      | NP_001138897                                                                                                                                                                                                                                                                                                    |
| <b>MIM</b>                 | 602304                                                                                                                                                                                                                                                                                                          |
| <b>Uniprot ID</b>          | Q14995                                                                                                                                                                                                                                                                                                          |
| <b>Chromosome Location</b> | 3p24.1                                                                                                                                                                                                                                                                                                          |
| <b>Pathway</b>             | Diurnally regulated genes with circadian orthologs, organism-specific biosystem; Gene Expression, organism-specific biosystem; Generic Transcription Pathway, organism-specific biosystem; Nuclear Receptor transcription pathway, organism-specific biosystem; Nuclear Receptors, organism-specific biosystem; |
| <b>Function</b>            | ligand-dependent nuclear receptor activity; metal ion binding; receptor activity;                                                                                                                                                                                                                               |

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sequence-specific DNA binding; sequence-specific DNA binding transcription factor activity;

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