

Recombinant Human NR1I3 Protein, GST-tagged

Cat. No. NR1I3-6075H Lot. No. (See product label)

SPECIFICATION

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| Product Overview | Human NR1I3 full-length ORF (NP_001070948.1, 1 a.a. - 352 a.a.) recombinant protein with GST-tag at N-terminal. |
| Species | Human |
| Source | Wheat Germ |
| Description | <p>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. [provided by RefSeq]</p> |
| Molecular Mass | 66.3 kDa |
| AA Sequence | MASREDELRNVCVCGDQATGYHFNALTCEGCKGFFRRTVSKSIGPTCPFAGSCEV SKTQRRHCPACRLQKCLDAGMRKDMILSAEALALRRAKQAQRRAQQTTPVQLSKEQ EELIRTLGHAHTRHMGTMFEQFVQFRPPAHLFIHHQPLPTLAPVLPVTHFADINTFM |

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VLQVIKFTKDLPVFRSLPIEDQISLLKGAAVEICHIVLNTTFCLQTQNFLCGPLRYTIED
 GARVSPTVGFQVEFLELLFHFHGTLRKLQEQPEYVLLAAMALFSPDRPGVTQRDEI
 DQLQEEMALTLSYIKGQRRPRDRFLYAKLLGLLAELRSINEAYGYQIQHIQGLSA
 MMPLLQEICS

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|-----------------------|-------------------------------------------------------------------------------------------------------------------|
| Applications | Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array |
| Notes | Best use within three months from the date of receipt of this protein. |
| Storage | Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing. |
| Storage Buffer | 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer. |

GENE INFORMATION

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|------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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 |

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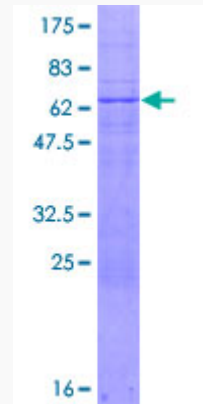
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mRNA Refseq NM_001077469

Protein Refseq NP_001070937

MIM 603881

Quality Control
Testing:



12.5% SDS-PAGE Stained with Coomassie Blue.

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