Recombinant Full Length Human NR1I3 Protein, GST-tagged

Cat. No. NR1I3-6735HF **Lot. No.** (See product label)

SPECIFICATION

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	In Vitro Cell Free System
ProteinLength	352 amino acids
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. [provided by RefSeq
Molecular Mass	66.3 kDa
AA Sequence	MASREDELRNCVVCGDQATGYHFNALTCEGCKGFFRRTVSKSIGPTCPFAGSCEV SKTQRRHCPACRLQKCLDAGMRKDMILSAEALALRRAKQAQRRAQQTPVQLSKEQ

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	EELIRTLLGAHTRHMGTMFEQFVQFRPPAHLFIHHQPLPTLAPVLPLVTHFADINTFM VLQVIKFTKDLPVFRSLPIEDQISLLKGAAVEICHIVLNTTFCLQTQNFLCGPLRYTIED GARVSPTVGFQVEFLELLFHFHGTLRKLQLQEPEYVLLAAMALFSPDRPGVTQRDEI DQLQEEMALTLQSYIKGQQRRPRDRFLYAKLLGLLAELRSINEAYGYQIQHIQGLSA MMPLLQEICS
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

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;

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Gene ID	9970
mRNA Refseq	NM_001077469
Protein Refseq	NP_001070937
MIM	603881
UniProt ID	Q14994

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