

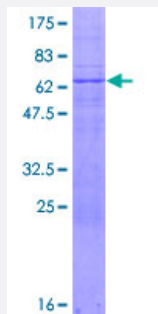
Full-Length

NR1I3 (Human) Recombinant Protein (P01)

Catalog # H00009970-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human NR1I3 full-length ORF (NP_001070948.1, 1 a.a. - 352 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MASREDELRCNVVCGDQATGYHFNALTCEGCKGFFRRTVSKSIGPTCPFAGSCEVSKTQRRHC
PACRLQKCLDAGMRKDMILSAEALALRRAKQAQRRRAQQTTPVQLSKEQEELIRTLLGAHTRHMG
MFEQFVQFRPPAHLFIHHQPLPTLAPVLPLVTHFADINTFMVLQVIKFTKDLPVFRSLPIEDQISLLK
GAAVEICHIVLNTTFCLQTQNFCLGPLYTIEDGARVSPTVGFQVEFLELLFHFHGTLRKLQLQEPE
YVLLAAMALFSPDRPGVTQRDEIDQLQEEMALTLQSYIKGQQRPRDRFLYAKLLGLLAELRSINE
AYGYQIQHIQGLSAMMPLLQEICS

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

66.3

Interspecies Antigen Sequence

Mouse (73); Rat (78)

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing

12.5% SDS-PAGE Stained with Coomassie Blue.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

Storage Instruction

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Note

Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — NR1I3

Entrez GeneID[9970](#)**GeneBank Accession#**[NM_001077480.1](#)**Protein Accession#**[NP_001070948.1](#)**Gene Name**

NR1I3

Gene Alias

CAR, CAR1, MB67, MGC150433, MGC97144, MGC97209

Gene Description

nuclear receptor subfamily 1, group I, member 3

Omim ID[603881](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

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]

Other Designations

OTTHUMP00000032245|OTTHUMP00000032246|constitutive activator of retinoid response|constitutive active receptor|constitutive androstane receptor|orphan nuclear hormone receptor

Disease

- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Kidney Failure](#)
- [Leukopenia](#)
- [Neutropenia](#)