

## Recombinant Human NR1H3 Protein, GST-tagged

Cat. No. NR1H3-6070H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Human NR1H3 full-length ORF ( AAH08819, 1 a.a. - 387 a.a.) recombinant protein with GST-tag at N-terminal.
<b>Species</b>	Human
<b>Source</b>	Wheat Germ
<b>Description</b>	The protein encoded by this gene belongs to the NR1 subfamily of the nuclear receptor superfamily. The NR1 family members are key regulators of macrophage function, controlling transcriptional programs involved in lipid homeostasis and inflammation. This protein is highly expressed in visceral organs, including liver, kidney and intestine. It forms a heterodimer with retinoid X receptor (RXR), and regulates expression of target genes containing retinoid response elements. Studies in mice lacking this gene suggest that it may play an important role in the regulation of cholesterol homeostasis. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Oct 2011]
<b>Molecular Mass</b>	68.31 kDa
<b>AA Sequence</b>	MSLWLGAPVPDIPPDSAVELWKPGAQDASSQAQGGSSCILREEARMPHSAGGTAG VGLEAAEPTALLTRAEPPEPTAIRPQKRKKGPAKMLGNELCSVCGDKASGFHYN VLSCEGCKGFFRRSVIKGAHYICHSGGHCPMDTYMRRKCQECRLRKCRQAGMREE CVLSEEQIRLKKLKRQEEEQAHATSLPPRASSPPQILPQLSPEQLGMIEKLVAQQQ CNRRSFSDLRLVTVMLLETSTRRYNPGSESITFLKDFSYNREDFAKAGLQVEFINPIFE

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FSRAMNELQLNDAEFALLIAISIFSADRPNVQDQLQVERLQHTYVEALHAYVSIHHPH  
DRLMFPRMLMKLVSLRTLSSVHSEQVFALRLQDKKLPPLLSEIWDVHE

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

## GENE INFORMATION

<b>Gene Name</b>	NR1H3 nuclear receptor subfamily 1, group H, member 3 [ Homo sapiens ]
<b>Official Symbol</b>	NR1H3
<b>Synonyms</b>	NR1H3; nuclear receptor subfamily 1, group H, member 3; oxysterols receptor LXR-alpha; liver X receptor alpha; LXR a; RLD 1; liver X nuclear receptor alpha variant 1; LXRA; LXR-a; RLD-1;
<b>Gene ID</b>	10062
<b>mRNA Refseq</b>	NM_001130101
<b>Protein Refseq</b>	NP_001123573
<b>MIM</b>	602423

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