

# Recombinant Human NR1H3 Protein, MYC/DDK-tagged, C13 and N15-labeled

**Cat. No.** NR1H3-208H    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	NR1H3 MS Standard C13 and N15-labeled recombinant protein (NP_005684) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
<b>Species</b>	Human
<b>Source</b>	HEK293
<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>	50.2 kDa
<b>AA Sequence</b>	MSLWLGAPVPDIPPDSAVELVKPGAQDASSQAQGGSSCILREEARMPHSAGGTAG VGLEAAEPTALLTRAEPPSEPTAIRPQKRKKGPAKMLGNELCSVCGDKASGFHYN VLSCEGCKGFFRRSVIKGAHYICHSGGHCPMDTYMRRKCQECRLRKCRQAGMREE CVLSEEQIRLKKLKRQEEEAHATSLPPRASSPPQILPQLSPEQLGMIEKLVAQQQ

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CNRRSFSDLRVTPWPMAPDPHSREARQQRFAHFTELAIVSVQEIVDFAKQLPGFL  
QLSREDQIALLKTS AIEVM LLET SRRYNPGSESITFLKDFSYNREDFAKAGLQVEFINP  
IFEFSRAMNELQLNDAEFALLIAISIFSADRPNVQDQLQVERLQHTYVEALHAYVSIHH  
PHDRLMFPRMLMKLVSLRTLSSVHSEQVFALRLQDKKLPPLLSEIWDVHETRTRPLE  
QKLISEEDLAANDILDYKDDDDKV

**Purity** > 80% as determined by SDS-PAGE and Coomassie blue staining

**Stability** Stable for 3 months from receipt of products under proper storage and handling conditions.

**Storage** Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

**Concentration** 50 µg/mL as determined by BCA

**Storage Buffer** 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

## GENE INFORMATION

**Gene Name** NR1H3 nuclear receptor subfamily 1, group H, member 3 [ Homo sapiens (human) ]

**Official Symbol** NR1H3

**Synonyms** 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;

**Gene ID** 10062

**mRNA Refseq** NM\_005693

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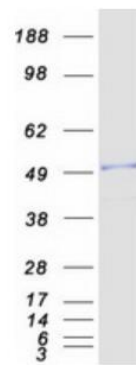
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**Protein Refseq** NP\_005684

**MIM** 602423

**UniProt ID** Q13133

**SDS-PAGE**



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