

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

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

SPECIFICATION

Product Overview	NR1H3 MS Standard C13 and N15-labeled recombinant protein (NP_005684) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	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]
Molecular Mass	50.2 kDa
AA Sequence	MSLWLGAPVPDIPPDSEVELWKPGAQDASSQAQGGSSCILREEARMPHSAGGTAG VGLEAAEPTALLTRAEPPEPTTEIRPQKRKKGPAPKMLGNELCSVCGDKASGFHYN VLSCEGCKGFFRRSVIKGAHYICHSGGHCPMDTYMRRKCQECRLRKCRQAGMREE CVLSEEQIRLKKLKRQEEEAHATSLPPRASSPPQILPQLSPEQLGMIEKLVAQQQ

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

CNRRSFSDRLRVTPWPMAPDPHSREARQQRFAHFTELAIVSVQEIVDFAKQLPGFL
 QLSREDQIALLKTS AIEVMMLLET SRRYNPGSESITFLKDFSYNREDFAKAGLQVEFINP
 IFEFSRAMNELQLNDAEFALLIAISIFSADRPNVQDQLQVERLQHTYVEALHAYVSIHH
 PHDRLMFPRMLMKLVSLRTLSSVHSEQVFALRLQDKKLPLLSEIWDVHETRTRPLE
 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 α; RLD 1; liver X nuclear receptor alpha variant 1; LXRA; LXR-α; RLD-1;

Gene ID 10062

mRNA Refseq NM_005693

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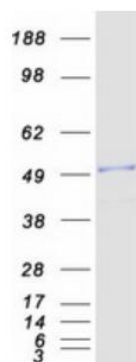
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Protein Refseq NP_005684

MIM 602423

UniProt ID Q13133

SDS-PAGE



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