

Recombinant Full Length Human NR1H3 Protein, GST-tagged

Cat. No. NR1H3-6699HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human NR1H3 full-length ORF (AAH08819, 1 a.a. - 387 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	387 amino acids
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	68.31 kDa
AA Sequence	MSLWLGAPVPDIPPDSEVELWKPGAQDASSQAQGGSSCILREEARMPHSAGGTAG VGLEAAEPTALLTRAEPPEPTSEIRPQKRKKGPAPKMLGNELCSVCGDKASGFHYN VLSCEGCKGFFRRSVIKGAHYICHSGGHCPMDTYMRRKCQECRLRKCRQAGMREE CVLSEEQIRLKKLKRQEEEQAHATSLPPRASSPPQILPQLSPEQLGMIEKLVAQQQ

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CNRRSFSDRLRVTVMLLETSTRRYNPGSESITFLKDFSYNREDFAKAGLQVEFINPIPE
FSRAMNELQLNDAEFALLIAISIFSADRPNVQDQLQVERLQHTYVEALHAYVSIHHPH
DRLMFPRMLMKLVSLRTLSSVHSEQVFALRLQDKKLPLLSEIWDVHE

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

NR1H3 nuclear receptor subfamily 1, group H, member 3 [Homo sapiens]

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_001130101

Protein Refseq

NP_001123573

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MIM	602423
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UniProt ID	Q13133
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