Active Recombinant Full Length Human NR1H3 Protein, C-Flag-tagged

Cat. No. NR1H3-464HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human NR1H3 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
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.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Bio-activity	Binding assay (Blue Native PAGE)
Molecular Mass	50.2 kDa
AA Sequence	MSLWLGAPVPDIPPDSAVELWKPGAQDASSQAQGGSSCILREEARMPHSAGGTAG

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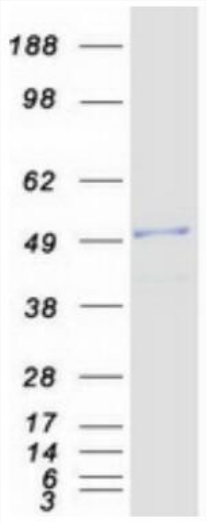
	VGLEAAEPTALLTRA EPPSEPTEIRPQKRKKGPAPKMLGNELCSVCGDKASGFHYN VLSCEGCKGFFRRSVIKGAHYICHSGGHC PMDTYMRRKCQECRLRKCRQAGMRE ECVLSEEQIRLKKLKRQEEEQAHATSLPPRASSPPQILPQLSPEQ LGMIEKLVAAQQ QCNRRSFSDRLRVTPWPMAPDPHSREARQQRFAHFTELAIVSVQEIVDFAKQLPGF LQ LSREDQIALLKTSAIEVMLLETSRRYNPGSESITFLKDFSYNREDFAKAGLQVEFI NPIFEFSRAMNELQ LNDAEFALLIAISIFSADRPNVQDQLQVERLQHTYVEALHAYVSI HHPHDRLMFPRMLMKLVSLRTLSSV HSEQVFALRLQDKKLPPLLSEIWDVHETRTRPLEQKLISEEDLAANDILDYKDDDDKV	
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Druggable Genome, Nuclear Hormone Receptor, Transcription Factors
Protein Pathways	PPAR signaling pathway
Full Length	Full L.

GENE INFORMATION

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

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Official Symbol	NR1H3
Synonyms	LXRA; LXR-a; RLD-1
Gene ID	10062
mRNA Refseq	NM_005693.4
Protein Refseq	NP_005684.2
MIM	602423
UniProt ID	Q13133



Coomassie blue staining of purified NR1H3 protein.

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