

Product datasheet for PH323767

LXR alpha (NR1H3) (NM_005693) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	NR1H3 MS Standard C13 and N15-labeled recombinant protein (NP_005684)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC223767
Predicted MW:	50.2 kDa
Protein Sequence:	>RC223767 representing NM_005693 Red=Cloning site Green=Tags(s)

MSLWLGAPVPDIPDPSAVELWKPQAQDASSQAQGGSSCILREEARMPHSAGGTAGVGLAAEPTALLTRA
EPPSEPTAIRPQKRKKGPAKMLGNELCSVCGDKASGFHYNVLSCEGCKGFFRRSVIKGAHYICHSGGHC
PMDTYMRRKCQECRLRKCRQAGMREECVLSEEQIRLKKLKRQEEEAHATSLPPRASSPPQILPQLSPEQ
LGMIEKLVAAQQQCNRFSDDLRLVTPWPMAPDPSREARQQRFAHFTELAIIVSVQEIIVDFAKQLPGFLQ
LSREDQIALLKTSIEVMLLETSSRYNPGSESITFLKDFSYNREDFAKAGLQVEFINPIFEFSRAMNELQ
LNDAEFALLIAISIFSADRPVQDQLQVERLQHTYVEALHAYVSIHHPHDRLMFPRLMKLVSLRTLSSV
HSEQVVALRLQDKKLPPLLSEIWDVHE

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<u>NP_005684</u>
RefSeq Size:	1528
RefSeq ORF:	1341
Synonyms:	LXR-a; LXRA; RLD-1



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Locus ID: 10062

UniProt ID: [Q13133](#), [B4DXU5](#), [F1D8N1](#)

Cytogenetics: 11p11.2

Summary: 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]

Protein Families: Druggable Genome, Nuclear Hormone Receptor, Transcription Factors

Protein Pathways: PPAR signaling pathway

Product images:



Coomassie blue staining of purified NR1H3 protein (Cat# [TP323767]). The protein was produced from HEK293T cells transfected with NR1H3 cDNA clone (Cat# [RC223767]) using MegaTran 2.0 (Cat# [TT210002]).