

## Product datasheet for **TP323767L**

### LXR alpha (NR1H3) (NM\_005693) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human nuclear receptor subfamily 1, group H, member 3 (NR1H3), transcript variant 1, 1 mg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC223767 representing NM_005693 <b>Red</b> =Cloning site <b>Green</b> =Tags(s)

MSLWLGA PVPDIPD S AVELW KPGAQDASSQAQGGSSCILREEARMPHSAGGTAGVGL EAAEPTALLTRA  
EPPSEPT EIRPQKRKKG PAKM L GNELCSVCGDKASGFHYNVLSCEGCKGFFRRSVIKGAHYICHSGGHC  
PMDTYMRRKCQECRLR KCRQAGMREECVLSEEQIRLKKLKRQEEEAHATSLP PRASSPPQILPQLSPEQ  
LGMIEKLVA AQQCNRRSFSDRLRVTPWPMAPDPHSREARQQRFAHFT ELAIVSVQEIVDFAKQLPGFLQ  
LSREDQIALLKTS AIEVM LLET SRRYNPGSESITFLKDFSYNREDFAKAGLQVEFINPIFEFSRAMNELQ  
LNDAEFALLIAISIFSADRP NVQDQLQVERLQHTYVEALHAYVSIHHPHDRLMFP RMLMKLVSLRTLSSV  
HSEQVFALRLQDKKL PPLLSEIWDVHE

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

Tag:	C-Myc/DDK
Predicted MW:	50.2 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Bioactivity:	Binding assay (Blue Native PAGE) (PMID: <a href="#">27382175</a> )
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.



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**Stability:** Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

**RefSeq:** [NP\\_005684](#)

**Locus ID:** 10062

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

**RefSeq Size:** 1528

**Cytogenetics:** 11p11.2

**RefSeq ORF:** 1341

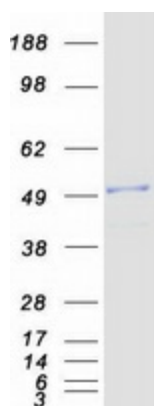
**Synonyms:** LXR-a; LXRA; RLD-1

**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]).