

Product datasheet for **SC332149**

LXR alpha (NR1H3) (NM_001251935) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: LXR alpha (NR1H3) (NM_001251935) Human Untagged Clone
Tag: Tag Free
Symbol: LXR alpha
Synonyms: LXR-a; LXRA; RLD-1
Vector: pCMV6-Entry (PS100001)
Fully Sequenced ORF: >SC332149 representing NM_001251935.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

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ATGCAGCAAACAAGCTGGAACCCGCTGGGTGGCACCTGCAAGCAGCCGCCGGACGCACCCACTCTGCG  
GTGGAGCTGTGGAAGCCAGGCGCACAGGATGCAAGCAGCCAGGCCAGGGAGGCAGCAGCTGCATCCTC  
AGAGAGGAAGCCAGGATGCCCACTCTGCTGGGGTACTGCAGGGGTGGGGCTGGAGGCTGCAGAGCCC  
ACAGCCCTGCTCACCAGGCAGAGCCCCCTT CAGAAGCCACAGAGATCCGTCCACAAAAGCGAAAAAG  
GGGCCAGCCCCAAAATGCTGGGAACGAGCTATGCAGCGTGTGTGGGACAAGGCCTCGGGCTCCAC  
TACAATGTTCTGAGCTGCGAGGGCTGCAAGGGATTCTTCCGCCGAGCGTCATCAAGGGAGCGCACTAC  
ATCTGCCACAGTGGCGGCCACTGCCCATGGACACCTACATGCGTCGCAAGTGCCAGGAGTGTGGCTT  
CGCAAATGCCGTGAGGCTGGCATGCGGGAGGAGTGTGTCCTGTCAGAAGAACAGATCCGCCTGAAGAAA  
CTGAAGCGGCAAGAGGAGGAACAGGCTCATGCCACATCCTTGCCCCCAGGGCTTCTCACCCCCCAA  
ATCCTGCCCCAGCTCAGCCCGGAACAACCTGGGCATGATCGAGAAGCTCGTCGCTGCCAGCAACAGTGT  
AACCGGCGCTCCTTTTCTGACCGGCTTCGAGTCACGCCTTGCCCATGGCACCAGATCCCATAGCCGG  
GAGGCCGTCAGCAGCGCTTGGCCACTCACTGAGCTGGCCATCGTCTCTGTGCAGGAGATAGTTGAC  
TTTGCTAAACAGTACCCGGCTTCTGACGCTCAGCCGGGAGGACCAGATTGCCCTGCTGAAGACCTCT  
GCGATCGAGGTGATGCTTCTGGAGACATCTCGGAGGTACAACCTGGGAGTGAGAGTATCACCTTCTC  
AAGGATTTTCAGTTATAACCGGGAAGACTTTGCCAAAGCAGGGCTGCAAGTGAATTATCAACCCCATC  
TTCGAGTTCTCCAGGGCCATGAATGAGCTGCAACTCAATGATGCCGAGTTTGCCTTGCTCATTGCTATC  
AGCATCTTCTCTGCAGACCGGCCAACGTGCAGGACCAGCTCCAGGTAGAGAGGCTGCAGCACACATAT  
GTGGAAGCCCTGCATGCCTACGTCTCCATCCACCATCCCATGACCGACTGATGTTCCACGGATGCTA  
ATGAAACTGGTGAGCCTCCGGACCCTGAGCAGCGTCCACTCAGAGCAAGTGTGGACTGCGTCTGCAG  
GACAAAAGCTCCACCCTGCTCTGAGATCTGGGATGTGCACGAATGA
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Restriction Sites: SgfI-MluI
ACCN: NM_001251935
Insert Size: 1362 bp



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OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	<ol style="list-style-type: none"> 1. Centrifuge at 5,000xg for 5min. 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. 3. Close the tube and incubate for 10 minutes at room temperature. 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. 5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	<u>NM_001251935.1</u>
RefSeq Size:	1928 bp
RefSeq ORF:	1362 bp
Locus ID:	10062
Cytogenetics:	11p11.2
Protein Families:	Druggable Genome, Nuclear Hormone Receptor, Transcription Factors
Protein Pathways:	PPAR signaling pathway
MW:	51.1 kDa
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (5) contains 2 alternate exons at the 5' end compared to variant 1. This results in translation initiation from an in-frame upstream AUG, and an isoform (4) with a longer and distinct N-terminus compared to isoform 1. Variants 4 and 5 (which differ in the 5'UTR) encode the same isoform (4).</p>