

Product datasheet for RC225628

LXR alpha (NR1H3) (NM_001130102) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	LXR alpha (NR1H3) (NM_001130102) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	NR1H3
Synonyms:	LXR-a; LXRA; RLD-1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RC225628 representing NM_001130102 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGCCCACTCTGCTGGGGTACTGCAGGGTGGGGCTGGAGGCTGCAGAGCCACAGCCCTGCTACCA
GGGCAGAGCCCCCTTCAGAACCCACAGAGATCCGTCACAAAAGCGGAAAAGGGGCCAGCCCCAAAAT
GCTGGGAACGAGCTATGCAGCGTGTGTGGGACAAGGCCTCGGGCTTCCACTACAATGTTCTGAGCTGC
GAGGGCTGCAAGGATTCTCCGCCGACAGCGTCATCAAGGGAGCGCACTACATCTGCCACAGTGGCGGCC
ACTGCCCATGGACACCTACATGCGTCGCAAGTGCCAGGAGTGTCCGGCTTCGCAAATGCCGTGAGGCTGG
CATGCGGGAGGAGTGTGTCTGTGTCAGAAGAAGAGATCCGCTGAAGAACTGAAGCGGCAAGAGGAGGAA
CAGGCTCATGCCACATCCTTGCCCCCAGGGCTTCCTCACCCCCAAAATCCTGCCCCAGCTCAGCCCGG
AACAACTGGGCATGATCGAGAAGCTCGTCGTCGCCAGCAACAGTGAACCGGCGCTCCTTTTCTGACCG
GCTTCGAGTCACGCTTGCCCCATGGCACCAGATCCCCATAGCCGGGAGGCCCGTCAGCAGCGCTTTGCC
CACTTCACTGAGCTGGCCATCGTCTCTGTGCAGGAGATAGTTGACTTTGCTAAACAGCTACCCGGCTTCC
TGCAGCTCAGCCGGGAGGACCAGATTGCCCTGCTGAAGACCTCTGCGATCGAGGTGATGCTTCTGGAGAC
ATCTCGGAGGTACAACCTGGGAGTGAGAGTATCACCTTCTCAAGGATTTAGTTATAACCGGGAAGAC
TTTGCCAAAGCAGGGCTGCAAGTGAATTCATCAACCCATCTTCGAGTTCTCCAGGGCCATGAATGAGC
TGCAACTCAATGATGCCGAGTTTGCCTTGTCTATTGCTATCAGCATCTTCTGTCAGACCGGCCAACGT
GCAGGACCAGCTCCAGGTAGAGAGGCTGCAGCACACATATGTGGAAGCCCTGCATGCCTACGCTCCATC
CACCATCCCCATGACCGACTGATGTTCCACGGATGCTAATGAACTGGTGAAGCTCCGGACCCTGAGCA
GCGTCCACTCAGAGCAAGTGTTCGACTGCGTCTGCAGGACAAAAGCTCCACCCTGCTCTGAGAT
CTGGGATGTGCACGAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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ORF Size:	1206 bp
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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:	NM_001130102.3
RefSeq Size:	1748 bp
RefSeq ORF:	1209 bp
Locus ID:	10062
UniProt ID:	Q13133
Cytogenetics:	11p11.2
Protein Families:	Druggable Genome, Nuclear Hormone Receptor, Transcription Factors
Protein Pathways:	PPAR signaling pathway
MW:	45.7 kDa
Gene 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]