

Recombinant Human Liver X receptor-LBD, His-tagged

Cat. No. NR1H2-010N Lot. No. (See product label)

SPECIFICATION

Product Overview	Produced by transient expression of LXR in non-transgenic plants. Recombinant human LXR contains a 6-His-tag at the N-terminal end and is purified by sequential chromatography (FPLC). Contains no animal-derived components or impurities.
Species	Human
Source	Nicotiana Benthamiana
Description	Liver X Receptors (LXRs) are nuclear receptors that regulate the metabolism of cholesterol and bile acids. There are two subtypes of LXRs, LXR α and LXR β . The LXRs are ligand-dependent transcription factors that form permissive heterodimers with the retinoid X receptor (RXR). LXR- member of Nuclear Receptor Family is activated by certain oxysterol derivatives of cholesterol. They play an important role in cholesterol, lipid, and carbohydrate metabolism.
Sequence	HHHHHHSSGIEGRGLIKHMTPLGGSEAGSQGSGE GEGVQLTAAQELMIQQLVAAQ LQCNKRSFSDQPKVTPWPLGADPQSRDARQQRFAHFTELAII SVQEIVDFAKQVPGF LQLGREDQIALLKASTIEIMLLETARRYNHETECITFLKDFTYSKDDFHRAGLQVEFIN PIFEFSRAMRRLGLDDAEYALLIAINIFSADRPNVQEPGRVEALQQPYPVEALLSYTRIK RPQDQLRFPRMLMKLVSRLTLSSVHSEQVFALRLQDKKLPPLLSEIWDVHE
Formulation	Lyophilized from a Tris HCl 20mM buffer at pH 8, 0.1% SDS.
Molecular formula	C ₁₄₂₂ H ₂₂₄₉ N ₄₀₉ O ₄₁₅ S ₈

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Extinction coefficient	E0.1% = 0.581 (A280 nm).
Molecular weight	31.9 kDa (201-461 amino acids)
Purity	> 97% by SDS-PAGE gel.
Endotoxin level	< 0.04 EU/μg protein (LAL method)
Storage	This lyophilized preparation is stable at 2-8° C. For long storage should be kept at -20° C and it is recommended to add a carrier protein (0.1% HSA or BSA). Repeated freezing and thawing is not recommended.
GENE INFORMATION	
Gene Name	NR1H2 nuclear receptor subfamily 1, group H, member 2 [Homo sapiens]
Official Symbol	NR1H2
Synonyms	NR1H2; nuclear receptor subfamily 1, group H, member 2; NER; UNR; LXRβ; LXR-b; NER-I; RIP15; liver X receptor beta; liver X receptor-beta; nuclear orphan receptor LXR-beta; oxysterols receptor LXR-beta; steroid hormone-nuclear receptor NER; ubiquitously-expressed nuclear receptor; LX receptor beta
Gene ID	7376
mRNA Refseq	NM_007121
Protein Refseq	NP_009052
MIM	600380

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UniProt ID	P55055
Chromosome Location	19q13.3
Function	Gene Expression

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