

Datasheet for ABIN7563268

## NR5A2 + LRH1 Protein (AA 1-560) (His tag)



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### Overview

Quantity:	1 mg
Target:	NR5A2 + LRH1 (NR5A2)
Protein Characteristics:	AA 1-560
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This NR5A2 + LRH1 protein is labelled with His tag.

### Product Details

Purpose:	Custom-made recombinant Nr5a2 Protein expressed in mammalian cells.
Sequence:	<p>MSASLDTGDF QEFLKHGLTA IASAPGSETR HSPKREEQLR EKRALPDRH RRPPIPARSRL</p> <p>VMLPKVETEA PGLVRSHGEQ GQMPENMQVS QFKMVNYSYD EDLEELCPVC GDKVSGYHYG</p> <p>LLTCESCKGF FKRTVQNQKR YTCIENQNCQ IDKTQRKRCP YCRFKKCIDV GMKLEAVRAD</p> <p>RMRGGRNKFG PMYKRDRALK QQKKALIRAN GLKLEAMSQV IQAMPSDLTS AIQNIHSASK</p> <p>GLPLSHVALP PTDYDRSPFV TSPISMTMPP HSSLHGYQPY GHFPSRAIKS EYPDPYSSSP</p> <p>ESMMGYSYMD GYQTNSPASI PHLILELLKC EPDEPQVQAK IMAYLQQEQS NNRNRQEKLSA</p> <p>FGLLCKMADQ TLFSIVEWAR SSIFFRELKV DDQMKLLQNC WSELLILDHI YRQVAHGKEG</p> <p>TIFLVTGEHV DYSTIISHT E VAFNNLLSLA QELVVRLRSL QFDQREFVCL KFLVLFSSDV</p> <p>KNLENLQLVE GVQEQVNAAL LDYTVCNYPQ QTEKFGQLLL RLPEIRAISK QAEDYLYYKH</p> <p>VNGDVPYNNL LIEMLHAKRA</p> <p><b>Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.</b></p>

## Product Details

Specificity:	If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.
Characteristics:	<p>Key Benefits:</p> <ul style="list-style-type: none"><li>• Made to order protein - from design to production - by highly experienced protein experts.</li><li>• Protein expressed in mammalian cells and purified in one-step affinity chromatography</li><li>• The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.</li><li>• State-of-the-art algorithm used for plasmid design (Gene synthesis).</li></ul> <p>This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.</p> <p>If you are not interested in a full length protein, please contact us for individual protein fragments.</p> <p>The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.</p>
Purity:	> 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)
Grade:	custom-made

## Target Details

Target:	NR5A2 + LRH1 (NR5A2)
Alternative Name:	Nr5a2 ( <a href="#">NR5A2 Products</a> )
Background:	<p>Nuclear receptor subfamily 5 group A member 2 (Liver receptor homolog 1) (LRH-1),FUNCTION: Nuclear receptor that acts as a key metabolic sensor by regulating the expression of genes involved in bile acid synthesis, cholesterol homeostasis and triglyceride synthesis. Together with the oxysterol receptors NR1H3/LXR-alpha and NR1H2/LXR-beta, acts as an essential transcriptional regulator of lipid metabolism. Plays an anti-inflammatory role during the hepatic acute phase response by acting as a corepressor: inhibits the hepatic acute phase response by preventing dissociation of the N-Cor corepressor complex. Key regulator of cholesterol 7-alpha-hydroxylase gene (CYP7A) expression in liver. May also contribute to the regulation of pancreas-specific genes and play important roles in embryonic development (By similarity). Activates the transcription of CYP2C38 (PubMed:30555544).</p> <p>{ECO:0000250 UniProtKB:O00482, ECO:0000269 PubMed:30555544}.</p>

## Target Details

Molecular Weight:	64.0 kDa
UniProt:	<a href="#">P45448</a>
Pathways:	<a href="#">Nuclear Receptor Transcription Pathway</a> , <a href="#">Steroid Hormone Mediated Signaling Pathway</a>

## Application Details

Application Notes:	We expect the protein to work for functional studies. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.
Restrictions:	For Research Use only

## Handling

Format:	Liquid
Buffer:	The buffer composition is at the discretion of the manufacturer.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-80 °C
Storage Comment:	Store at -80°C.
Expiry Date:	12 months