Datasheet for ABIN7549804

NR5A2 + LRH1 Protein (AA 1-541) (His tag)

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Overview

Quantity:	1 mg
Target:	NR5A2 + LRH1 (NR5A2)
Protein Characteristics:	AA 1-541
Origin:	Human
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:	MSSNSDTGDL QESLKHGLTP IGAGLPDRHG SPIPARGRLV MLPKVETEAL GLARSHGEQG QMPENMQVSQ FKMVNYSYDE DLEELCPVCG DKVSGYHYGL LTCESCKGFF KRTVQNNKRY TCIENQNCQI DKTQRKRCPY CRFQKCLSVG MKLEAVRADR MRGGRNKFGP MYKRDRALKQ QKKALIRANG LKLEAMSQVI QAMPSDLTIS SAIQNIHSAS KGLPLNHAAL PPTDYDRSPF VTSPISMTMP PHGSLQGYQT YGHFPSRAIK SEYPDPYTSS PESIMGYSYM DSYQTSSPAS IPHLILELLK CEPDEPQVQA KIMAYLQQEQ ANRSKHEKLS TFGLMCKMAD QTLFSIVEWA RSSIFFRELK VDDQMKLLQN CWSELLILDH IYRQVVHGKE GSIFLVTGQQ VDYSIIASQA GATLNNLMSH AQELVAKLRS LQFDQREFVC LKFLVLFSLD VKNLENFQLV EGVQEQVNAA LLDYTMCNYP QQTEKFGQLL LRLPEIRAIS MQAEEYLYYK HLNGDVPYNN LLIEMLHAKR A **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.**

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:	Key Benefits: • Made to order protein - from design to production - by highly experienced protein experts. • Protein expressed in mammalian cells and purified in one-step affinity chromatography • The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins. • State-of-the-art algorithm used for plasmid design (Gene synthesis). 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. If you are not interested in a full length protein, please contact us for individual protein fragments. 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.
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 (NR5A2 Products)
Background:	Nuclear receptor subfamily 5 group A member 2 (Alpha-1-fetoprotein transcription factor) (B1-binding factor) (hB1F) (CYP7A promoter-binding factor) (Hepatocytic transcription factor) (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 (PubMed:20159957). May be responsible for the liver-specific activity of enhancer II, probably in combination with other hepatocyte transcription factors. Key regulator of cholesterol 7-alpha-hydroxylase gene (CYP7A) expression in liver. May also contribute to the

Target Details

	regulation of pancreas-specific genes and play important roles in embryonic development. Activates the transcription of CYP2C38 (By similarity). {ECO:0000250|UniProtKB:P45448, ECO:0000269|PubMed:15707893, ECO:0000269|PubMed:15723037, ECO:0000269|PubMed:15897460, ECO:0000269|PubMed:16289203, ECO:0000269|PubMed:20159957}., FUNCTION: (Microbial infection) Plays a crucial role for hepatitis B virus gene transcription and DNA replication. Mechanistically, synergistically cooperates with HNF1A to up-regulate the activity of one of the critical cis-elements in the hepatitis B virus genome enhancer II (ENII). {ECO:0000269|PubMed:14728801, ECO:0000269|PubMed:9786908}.
Molecular Weight:	61.3 kDa
UniProt:	O00482
Pathways:	Nuclear Receptor Transcription Pathway, Steroid Hormone Mediated Signaling Pathway

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