Datasheet for ABIN7557771

NR0B2 Protein (AA 1-260) (His tag)

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Overview

Quantity:	1 mg
Target:	NR0B2
Protein Characteristics:	AA 1-260
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This NR0B2 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat Nr0b2 Protein expressed in mammalien cells.
Sequence:	MSSGQSGVCP CQGSAGRPTI LYALLSPSPR TRPVAPASHS HCLCQQQRPV RLCAPHRTCR EALDVLAKTV AFLRNLPSFC HLPHEDQRRL LECCWGPLFL LGLAQDAVTF EVAEAPVPSI LKKILLEEAS SGTQGAQPSD RPQPSLAAVQ WLQRCLESFW SLELGPKEYA YLKGTILFNP DVPGLRASCH IAHLQQEAHW ALCEVLEPWY PASQGRLARI LLMASTLKNI PGTLLVDLFF RPIMGDVDIT ELLEDMLLLR **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.**
Characteristics:	Key Benefits: • Made to order protein - from design to production - by highly experienced protein experts. • Protein expressed in mammalien cells and purified in one-step affinity chromatography • The optimized expression system ensures reliability for intracellular, secreted and

Product Details

	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, Western Blot
Grade:	custom-made

Target Details

Target:	NR0B2
Alternative Name:	Nr0b2 (NR0B2 Products)
Background:	Nuclear receptor subfamily 0 group B member 2 (Orphan nuclear receptor SHP) (Small heterodimer partner),FUNCTION: Transcriptional regulator that acts as a negative regulator of receptor-dependent signaling pathways (PubMed:8650544). Specifically inhibits transactivation of the nuclear receptor with which it interacts (PubMed:8650544). Inhibits transcriptional activity of NEUROD1 on E-box-containing promoter by interfering with the coactivation function of the p300/CBP-mediated transcription complex for NEUROD1 (By similarity). Essential component of the liver circadian clock which via its interaction with NR1D1 and RORG regulates NPAS2-mediated hepatic lipid metabolism (PubMed:25212631). Regulates the circadian expression of cytochrome P450 (CYP) enzymes (PubMed:30555544). Represses: NR5A2 and HNF4A to down-regulate CYP2C38, NFLI3 to up-regulate CYP2A5, BHLHE41/HNF1A axis to up-regulate CYP1A2, CYP2E1 and CYP3A11, and NR1D1 to up-regulate CYP2B10, CYP4A10 and CYP4A14 (PubMed:30555544). {ECO:0000250|UniProtKB:Q15466, ECO:0000269|PubMed:25212631, ECO:0000269|PubMed:30555544, ECO:0000269|PubMed:8650544}.
Molecular Weight:	28.8 kDa
UniProt:	Q62227

Target Details

Pathways:	Nuclear Receptor Transcription Pathway, Positive Regulation of Peptide Hormone Secretion, Intracellular Steroid Hormone Receptor Signaling Pathway, Steroid Hormone Mediated Signaling Pathway

Application Details

Application Notes:	In addition to the applications listed above we expect the protein to work for functional studies as well. 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

