

Recombinant Human NR0B2 Protein (Met1-Arg257), His tagged

Cat. No. NR0B2-3606H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human SHP (Met1-Arg257) protein fused with His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Met1-Arg257
Description	Transcriptional regulator that acts as a negative regulator of receptor-dependent signaling pathways. Specifically inhibits transactivation of the nuclear receptor with which it interacts. 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. Essential component of the liver circadian clock which via its interaction with NR1D1 and RORG regulates NPAS2-mediated hepatic lipid metabolism. Regulates the circadian expression of cytochrome P450 (CYP) enzymes. 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.
Molecular Mass	29.18 kDa
Purity	>90 % as determined by SDS-PAGE.
Notes	For research use only.

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Storage	Use a manual defrost freezer and avoid repeated freeze thaw cycles. Store at 2 to 8 centigrade for one week. Store at -20 to -80 centigrade for twelve months from the date of receipt.
Storage Buffer	Supplied as solution form in PBS pH 7.5 or lyophilized from PBS pH 7.5.
Reconstitution	Reconstitute in sterile water for a stock solution.
Shipping	In general, proteins are provided as lyophilized powder/frozen liquid. They are shipped out with dry ice/blue ice unless customers require otherwise.

GENE INFORMATION

Gene Name	NR0B2 nuclear receptor subfamily 0, group B, member 2 [Homo sapiens (human)]
Official Symbol	NR0B2
Synonyms	NR0B2; nuclear receptor subfamily 0, group B, member 2; nuclear receptor subfamily 0 group B member 2; SHP; nuclear receptor SHP; small heterodimer partner; orphan nuclear receptor SHP; SHP1; FLJ17090;
Gene ID	8431
mRNA Refseq	NM_021969
Protein Refseq	NP_068804
MIM	604630
UniProt ID	Q15466

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