

Product datasheet for SC122920

NR0B2 (NM_021969) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: NR0B2 (NM_021969) Human Untagged Clone
Tag: Tag Free
Symbol: NR0B2
Synonyms: SHP; SHP1
Mammalian Cell Selection: None
Vector: pCMV6-XL5
E. coli Selection: Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_021969 edited
 CTGGAAGTGAGAGCAGATCCCTAACCATGAGACCAGCCAACAGGGCCTGCCATGCC
 AGGGAGCTGCAAGCCGCCCGCCATTCTCTACGCACTTCTGAGCTCCAGCCTCAAGGCTG
 TCCCCGACCCCGTAGCCGCTGCCTATGTAGGCAGCACCCGGCCCGTCCAGCTATGTGCAC
 CTCATCGCACCTGCCGGGAGGCCTTGGATGTTCTGGCCAAGACAGTGGCCTTCCTCAGGA
 ACCTGCCATCCTTCTGGCAGCTGCCTCCCCAGGACCAGCGGCGGCTGCTGCAGGGTTGCT
 GGGGCCCTCTTCTGCTTGGGTTGGCCCAAGATGCTGTGACCTTTGAGGTGGCTGAGG
 CCCCAGTCCAGCATACTCAAGAAGATTCTGCTGGAGGAGCCAGCAGCAGTGGAGGCA
 GTGGCCAAGTCCAGACAGACCCAGCCCTCCCTGGCTGCGGTGACAGTGGCTTCAATGCT
 GTCTGGAGTCTTCTGGAGCCTGGAGCTTAGCCCCAAGGAATATGCCTGCCTGAAAGGGA
 CCATCCTCTTCAACCCCGATGTGCCAGGCCTCCAAGCCGCTCCACATTGGGCACCTGC
 AGCAGGAGGCTCACTGGGTGCTGTGTGAAGTCTGGAACCTGGTGCCAGCAGCCAAAG
 GCCGCTGACCCGTGCTCCTCACGGCCTCCACCTCAAGTCCATTCCGACCAGCCTGC
 TTGGGGACCTCTTCTTTCGCCCTATCATTGGAGATGTTGACATCGCTGGCCTTCTTGGGG
 ACATGCTTTTGTCTCAGGTGACCTGTTCCAGCCCAGGCAGAGATCAGGTGGGCAGAGGCTG
 GCAGTGTGATTACAGCCTGGCCATCCCCAGAGGTGACCCAATGCTCCTGGAGGGGCAAG
 CCTGTATAGACAGCACTTGGCTCCTTAGGAACAGCTCTTCACTCAGCCACACCCACATT
 GGACTTCTTGGTTTGGACACAGTGTCCAGCTGCCTGGGAGGCTTTTGGTGGTCCCCAC
 AGCCTCTGGGCCAAGACTCCTGTCCCTTCTTGGGATGAGAATGAAAGCTTAGGCTGCTTA
 TTGGACCAGAAGTCTATCGACTTTATACAGAAGTGAATTAAGTTATTGATTTTTGTAAT
 AAAAGGTATGAAACACAAA



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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_021969 unedited CCCCCAGTCGGGATTTGTAAACNATTATATAGGCGGCCGCGCAATCCCGGGATCTGGAA GTGAGAGCAGATCCCTAACCATGAGCACCAGCCAACCAGGGGCTGCCCATGCCAGGGAG CTGCAAGCCGCCCCGCCATTCTCTACGCACTTCTGAGCTCCAGCCTCAAGGCTGTCCCC GACCCCGTAGCCGCTGCCTATGTAGGCAGCACCAGCCGCTCCAGCTATGTGCACCTCATC GCACCTGCCGGGAGGCCCTTGGATGTTCTGGCCAAGACAGTGGCCTTCTCAGGAACCTGC CATCCTTCTGGCAGCTGCCTCCCCAGGACCAGCGGGCTGCTGCAGGGTTGCTGGGGCC CCTCTTCTGCTTGGGTTGGCCCAAGATGCTGTGACCTTTGAGGTGGCTGAGGCCCCGG TGCCAGCATACTCAAGAAGATTCTGCTGGAGGAGCCAGCAGCAGTGGAGGCGAGTGGCC AACTGCCAGACAGACCCAGCCCTCCCTGGCTGCGGTGCAGTGGCTTCAATGCTGTCTGG AGTCTTCTGGAGCTGGAGCTTAGCCCAAGGAATATGCCTGCCTGAAAGGGACCATCC TCTTCAACCCCGATGTGCCAGGCCCTCAAGCCGCCTCCACATTGGGCACCTGCAGCAGG AGGCTCACTGGGTGCTGTGTGAAGTCTGGAACCTGGTCCCAGCAGCCCAAGGCCGCC TGACCCGTGCTCCTCACGGCCTCCACCCTCAAGTCCATTCCGACCAGCCTGCTTGGGG ACCTCTTCTTTCGCCCTATCATTGGAGATGTTGACATCGCTGGCCTTCTTGGGGACATGC TTTTGCTCANGTGACCTGTNTCAGCCCAGCAGANATCAGGTGGGCAG
Restriction Sites:	Please inquire
ACCN:	NM_021969
Insert Size:	1200 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	<ol style="list-style-type: none"> 1. Centrifuge at 5,000xg for 5min. 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. 3. Close the tube and incubate for 10 minutes at room temperature. 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. 5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	NM_021969.1 , NP_068804.1
RefSeq Size:	1168 bp
RefSeq ORF:	774 bp
Locus ID:	8431
UniProt ID:	Q15466
Cytogenetics:	1p36.11
Protein Families:	Druggable Genome, Transcription Factors

Gene Summary:

The protein encoded by this gene is an unusual orphan receptor that contains a putative ligand-binding domain but lacks a conventional DNA-binding domain. The gene product is a member of the nuclear hormone receptor family, a group of transcription factors regulated by small hydrophobic hormones, a subset of which do not have known ligands and are referred to as orphan nuclear receptors. The protein has been shown to interact with retinoid and thyroid hormone receptors, inhibiting their ligand-dependent transcriptional activation. In addition, interaction with estrogen receptors has been demonstrated, leading to inhibition of function. Studies suggest that the protein represses nuclear hormone receptor-mediated transactivation via two separate steps: competition with coactivators and the direct effects of its transcriptional repressor function. [provided by RefSeq, Jul 2008]