

Product datasheet for **MC206305**

Nr0b2 (BC019540) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nr0b2 (BC019540) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Nr0b2
Synonyms:	SHP, SHP-1, Shp1
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)

Fully Sequenced ORF: >BC019540
 GATAGCTGGGAAGAAACAGGAACAAGATACTAACCATGAGCTCCGGCCAGTCAGGGGTCTGCCCATGCCA
 GGGCTCTGCAGGTCGTCGACTATTCTGTATGCACTTCTGAGCCCCAGCCCCAGGACCAGGCCCGTTGCA
 CCTGCATCTCACAGCCACTGCCTGTGCCAGCAGCAGCGGCTGTGCGTCTGTGTGCTCCGCACCGCACCT
 GCAGGGAGGCCTTGATGTCTAGCCAAGACAGTAGCCTTCTCAGGAACCTGCCGTCCTTCTGCCACCT
 GCCCATGAGGATCAGCGCGGGTCTAGAGTGTCTGTTGGGCCCTCTTCTGCTTGGGTTGGCCAG
 GATGCTGTGACCTTCGAGGTGGCTGAGGCTCCGGTGCCAGTATACTTAAGAAGATCCTGCTAGAGGAAG
 CCAGCAGCGGTACCCAGGGTGCCAGCCATCAGACCGGCCACAACCCTCACTGGCTGCAGTTCAGTGGCT
 GCAGCGCTGCCTGGAGTCTTCTGGAGCCTTGAGCTGGGTCCCAAGGAGTATGCGTACCTGAAGGGCAGC
 ATCCTCTTCAACCAGATGTGCCAGGCCTCCGTGCCTCCTGCCACATCGCACACCTGCAACAGGAGGCTC
 ACTGGGCACTGTGTGAAGTCTTGGAGCCCTGGTACCCAGCCAGCCAAGGCCGCTGGCCGAATCCTCCT
 CATGGCCTCTACCCTCAAGAACATTCCAGGCACCCCTTCTGGTAGATCTCTTCTCCGCCCTATCATGGGA
 GACGTTGACATCACTGAACTCCTTGAAGACATGCTTTTGCTGAGGTGACCCGTGGAATGGAGTCTGGTGC
 CTCCAAAGGGGAGCCTGAAAGGCAGCCCTCAACTCCCCTGGAGCTGCCCTCAGCTCAGCCACACCCCTAG
 CTCGGACTTCTTGGTGGATACAGTGTACACTACTAAGTGTCCAGCAAGCCCTTGATGACTCCCCAAA
 CCTCCAGGCCAAAATGTCTTCCCTGCCTGGGTAGGGATGGGAGCAGGAAGCTGTACTTTCAAGCCAGAA
 TCCCTCCTGACTTTGTACAGAATAAATTAAGTTATTGTTTTTGTAAATAAAACATATGACCTCCTGAAA AAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI

ACCN: BC019540

Insert Size: 783 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).



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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:	<u>BC019540, AAH19540</u>
RefSeq Size:	1133 bp
RefSeq ORF:	783 bp
Locus ID:	23957
Cytogenetics:	4 66.25 cM
Gene Summary:	This gene encodes a member of the nuclear hormone receptor family of proteins. The encoded orphan receptor lacks a DNA binding domain but modulates gene expression by interacting with other hormone receptors to competitively inhibit binding of coactivators while also acting as a transcriptional corepressor. The encoded receptor may regulate bile acid synthesis and sexual maturation in males. Homozygous knockout mice exhibit accumulation of bile acids, reduced levels of low density lipoprotein cholesterol (LDL-C), and in male mice, earlier testicular maturation. [provided by RefSeq, Aug 2015]