

## Product datasheet for **MG203385**

### Nr0b2 (NM\_011850) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Nr0b2 (NM_011850) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Nr0b2
Synonyms:	S; SHP; SHP-1; Shp1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG203385 representing NM_011850 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGAGCTCCGGCCAGTCAGGGGTCTGCCATGCCAGGGCTCTGCAGGTCGTCGACTATTCTGTATGCAC  
TTCTGAGCCCCAGCCCCAGGACCAGGCCGTTGCACCTGCATCTCACAGCCACTGCCTGTGCCAGCAGCA  
GCGGCTGTGCGTCTGTGTCTCCGCACCGCACCTGCAGGGAGGCCTGGATGTCCTAGCCAAGACAGTA  
GCCTTCTCAGGAACCTGCCGTCCTTCTGCCACCTGCCCCATGAGGATCAGCGGCGGCTGCTAGAGTGCT  
GCTGGGGCCCTCTTCTGCTTGGGTTGGCCAGGATGCTGTGACCTTCGAGGTGGCTGAGGCTCCGGT  
GCCAGTATACTTAAGAAGATCCTGCTAGAGGAAGCCAGCAGCGGTACCCAGGGTCCCAGCCATCAGAC  
CGGCCACAACCCTCACTGGCTGCAGTTCAGTGGCTGCAGCGCTGCCTGGAGTCTTCTGGAGCCTTGAGC  
TGGGTCCCAAGGAGTATGCGTACCTGAAGGGCAGCATCCTCTTCAACCCAGATGTGCCAGGCCTCCGTGC  
CTCCTGCCACATCGCACACCTGCAACAGGAGGCTCACTGGGCACTGTGTGAAGTCTTGGAGCCCTGGTAC  
CCAGCCAGCCAAGGCCGCTGGCCGAATCCTCCTCATGGCCTCTACCCTCAAGAACATTCCAGGCCCC  
TTCTGGTAGATCTTCTTCCGCCCTATCATGGGAGACGTTGACATCACTGAACCTCTTGAAGACATGCT  
TTTGCTGAGG

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG203385 representing NM\_011850  
 Red=Cloning site Green=Tags(s)

MSSGQSGVCPQGSAGRPTILYALLSPSPRTRPVAPASHSHCLCQQQRPVRLCAPHRTCREALDVLAKTV  
 AFLRNLPSFCHLPHEQRRLECCWGPLFLLGLAQDAVTFEVAEAPVPSILKKILLEEASSGTQGAQPSD  
 RPQPSLAAVQWLQRCLESFWSLELGPKEYAYLKGTILFNPDVPLRASCHIAHLQQEAHWALCEVLEPWY  
 PASQGRLARILLMASTLKNIPGTLVLDLFFRPIMGDVDITELLEDMLLLR

TRTRPLE - GFP Tag - V

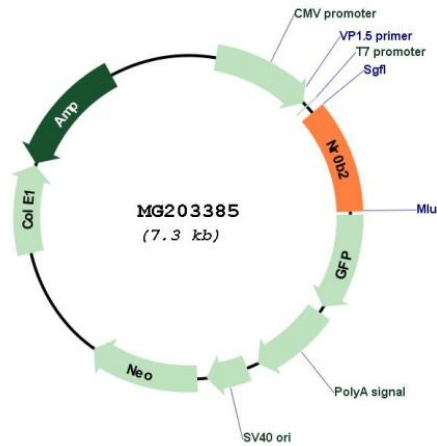
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:



ACCN: NM\_011850

ORF Size: 780 bp

<b>OTI Disclaimer:</b>	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at <a href="mailto:custsupport@origene.com">custsupport@origene.com</a> or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. <a href="#">More info</a></p>
<b>OTI Annotation:</b>	<p>This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.</p>
<b>Components:</b>	<p>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).</p>
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<p><a href="#">NM_011850.2</a>, <a href="#">NP_035980.1</a></p>
<b>RefSeq Size:</b>	<p>1133 bp</p>
<b>RefSeq ORF:</b>	<p>783 bp</p>
<b>Locus ID:</b>	<p>23957</p>
<b>UniProt ID:</b>	<p><a href="#">Q62227</a></p>
<b>Cytogenetics:</b>	<p>4 66.25 cM</p>
<b>Gene Summary:</b>	<p>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]</p>