

Product datasheet for **RR211116**

Nr0b2 (NM_057133) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nr0b2 (NM_057133) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Nr0b2
Synonyms:	Shp
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR211116 representing NM_057133 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGAGCTCCAGCCAATCAGGGTCTGCCATGCCAGGGCTCTGCAAGCCACCCACCATTCTCTACACAC
TTCTAAGCCCCGGTCCCAGGACCAGGCCATGGCACCCGCATCTCGAGCCACTGCCTGTGCCAGCAACA
CCGGCCTGTGCGCTGTGTGCTCCACACCGCACCTGCAGGGAGGCCTTGGATGTCCTAGGCAAGACTGTA
GCCTTCCTCAGGAACCTGCCGTCCTTCTGCCTCCTGCCCATGAGGATCAGCGACGGCTGCTAGAGGGCT
GCTGGGGCCCTCTCTTCCTGCTTGGGTTGGCCAGGATACTGTGACCTTTGAGGTGGCCGAGGCTCCGGT
CCCCAGCATACTTAAAAAGATCTTGCTAGAGGAACCCAACAGTGGTGCCAGGGTGCCAGCCACCAGAC
CCACCACAACCCTCACTGGCTGCCGTGCAGTGGCTGCAGCACTGCCTGGAGTCTTTCTGGAGCCTTGAGC
TGGGTCCAAGGAGTACGCATACCTGAAAGGCACTATCCTCTTCAACCCAGATGTGCCAGGCCTCCATGC
CTCCTGCCACATTGCACACCTGCAACAGGAGGCTCACTGGCATTGTGTGAAGTCTGGAGCCCTGGTAC
CCAGCTAGCCAAGGCCGCTGGCCGAATCCTCCTCATGGCTCCACCCTCAAGAACATCTCCTGTACCC
TTCTGGTAGATCTTTCTCCGCCCTGTCATCGGAGATGTTGACATCACTGAAGTCTTGAAGACATGCT
TTTGTTGAGG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR211116 representing NM_057133
Red=Cloning site Green=Tags(s)

MSSSQSGVCPQGSASHPTILYTLSPGPRTRPMAPASRSHCLCQQHRPVRLCAPHRTCREALDVLGKTV
 AFLRNLPSCFLPHEDQRRLLLEGCWGPLFLLGLAQDVTVEVAEAPVPSILKKILLEPNSGAQGAQPPD
 PPQPSLAAVQWLQHCLESFWSLELGPKEYAYLKGITLFPDVPGLHASCHIAHLQQAHWALCEVLEPWY
 PASQGRLARILLMASTLKNISCTLLVDLFFRPVIGDVIDTELLEDMLLLR

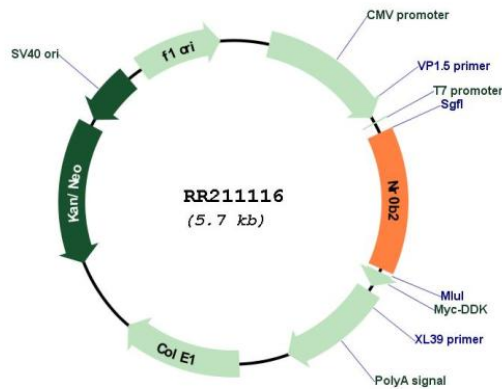
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_057133
ORF Size: 780 bp

OTI Disclaimer:	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. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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_057133.1 , NP_476474.1
RefSeq Size:	1111 bp
RefSeq ORF:	783 bp
Locus ID:	117274
UniProt ID:	P97947
Cytogenetics:	5q36
MW:	28.8 kDa
Gene Summary:	interacts with peroxisome proliferator-activated receptor alpha (PPAR alpha); can form a dimer with other nuclear hormone receptors [RGD, Feb 2006]