

## Product datasheet for **MG225448**

### **Cyp11b2 (NM\_009991) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Cyp11b2 (NM_009991) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Cyp11b2
Synonyms:	Cpn2; Cyp11b; Cyp11b-2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

**ORF Nucleotide Sequence:**

>MG225448 representing NM\_009991  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGCTCTCAGGGTGACAGCAGATGTGTGGCTGGCAAGACCCTGGCAGTGCCTGCACAGGACAAGGGCAC  
 TGGGCACCACGGCAACACTGGCCCCAAAGACCCTGCAGCCCTTTGAAGCCATACCCAGTACTCCAGGAA  
 CAAGTGGCTGAAGATGATACAGATCCTGAGGGAGCAGGGCCAAGAAAACCTACACCTGGAGATGCATCAG  
 GTCTTCCGGGAGCTGGGGCCATTTTCAGGCACAGTGTAGGGAAAAACAGATCGTATCTGTGATGTTGC  
 CGGAGGATGCTGAGAAGTTGCACCAGGTGGAGAGTATGCTCCCCCGTCGGATGCACCTGGAGCCCTGGGT  
 GGCCACAGAGAACTCCGTGGCCTGAGACGTGGTGTGTTCTTGTAAATGGGCCAGAATGGCGTCTCAAC  
 CGACTGCGGCTGAACCGAAATGTGCTGTCACAAAAGCCGTTCAAAAATTTGCCCCATGGTGGACATGG  
 TAGCAAGGGACTTCTTGAGACCTTGAAGAGAAGGTGCTTCAAATGCTCGTGGGAGCCTTACCATGGA  
 TGTCAGCAAAGCCTTCAACTACACTATAGAAGCCAGCAACTTTGCTCTTTTTGGGGAACGGCTAGGC  
 CTCTTGGCCATGACCTGAGCCCTGGCAGCCTGAAGTTTATCCATGCCCTGCATTCTATGTTCAAGTCCA  
 CCTCACAGCTCCTGTTCTTACCCAAGAGCTTGACTCGCTGGACAAGCACTCGGGTGTGGAAGAACATTT  
 CGATGCCTGGGATGTCATCTCTGAGTATGCCAACAGATGTATCTGGAAGGTGCACCAGGAGCTCAGACTC  
 GGCAGCTCTCAGACCTACAGTGGCATTGTGGCGGAACATAATCTCAGGGATCTTTGCCTCTCGACGCCA  
 TCAAAGCGAACTCTATGGAGCTCACCGCTGGGAGCGTTGACACGACAGCAATCCCCTTGGTAATGACCTT  
 TTTTGAGCTGGCTCGGAACCCAGATGTTTCAAGAGCCCTGAGGCAGGAGAGCCTGGCAGCTGAGGCCAGC  
 ATCGCTGCAAATCCTCAGAAGGCCATGTCAGACCTGCCCTTGTGAGGGCTGCCCTTAAAGAGACCTTGA  
 GGCTCTATCCTGTTGGTGGCTTTTTGGAGAGAATTCTAAGCTCAGACTTGGTGTCTCAGAATACCATGT  
 CCCTGCTGGGACATTGGTCTACTTTATCTCTACTCCATGGGCCGAAACCCTGCAGTGTTCCCAAGGCCCT  
 GAACGCTATATGCCTCAGCGCTGGCTGGAGAGGAAAAGGAGTTTCCAGCACCTAGCCTTTGGCTTTGGGG  
 TGCGCCAGTGCCTGGGAGGCGCCTGGCAGAGGTGGAGATGATGCTCCTGCTTACCATATACTGAAAAC  
 CTTCCAGGTGGAGACTGAGGCAAGAGGATGTGCAGATGGCCTACCGCTTTGTTTTGATGCCAGCTCC  
 AGCCCTGTCTCACTTCCGGCCTGTCAGC

**ACGCGTACGCGGCCGCTCGAG** - GFP Tag - GTTTAA

**Protein Sequence:**

>MG225448 representing NM\_009991  
 Red=Cloning site Green=Tags(s)

MALRVTADVWLRPWQCLHRTRALGTTATLAPKTLQPFEAIPQYSRNKWLKMIQILREQQENLHLEMHQ  
 VFRELGPVIFRHSVGKTIIVSVMLPEDAEKLNQVESMLPRRMHLEPWAHRELRLRRGVFLLNGPEWRLN  
 RLRLNRNVLSPKAVQKQFVPMVDMVARDFLETLEKVLQNARGSLTMDVQQSLFNYTIEASNFAIFGERLG  
 LLGHDLSPGSLKFIHALHSMFKSTSQLLFLPKSLTRWTSTRVWKEHFDWDVISEYANRCIWKVHQELRL  
 GSSQTYSGIVAELISQGSPLDAIKANSMELTAGSVDTTAIPLVMTL FELARNPDVQKALRQESLAAEAS  
 IAANPQKAMSDLPLLRAALKETLRLYPVGGFLERILSSDLVQLQNYHVPAGTLVLLYLYSMGRNPAVFP  
 RYMPQRWLERKRSFQHLAFGFGVRQCLGRRLAEVEMMLLLHHILKTFQVETLRQEDVQMAVRFVLMPS  
 SPVLTFRPVS

**TRTRPLE** - GFP Tag - V

**Restriction Sites:**

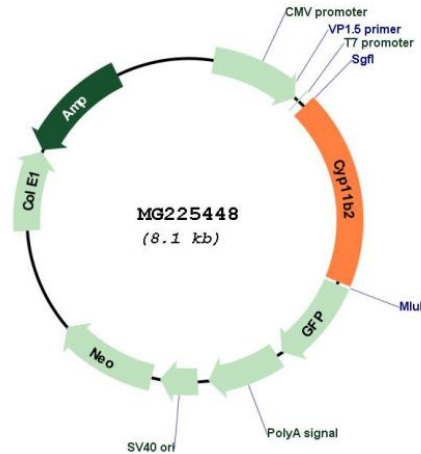
Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:



ACCN: NM\_009991

ORF Size: 1506 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:**

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\\_009991.4](#)

**RefSeq Size:** 1625 bp

**RefSeq ORF:** 1509 bp

**Locus ID:** 13072

**UniProt ID:** [P15539](#)

**Cytogenetics:** 15 34.29 cM

**Gene Summary:** Forms corticosterone from 11-deoxycorticosterone.[UniProtKB/Swiss-Prot Function]