

## Product datasheet for **MG219439**

### **Cyp11b1 (NM\_001033229) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Cyp11b1 (NM_001033229) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Cyp11b1
Synonyms:	AA389061; CPN1; Cyp11b; Cyp11b-1; FHI
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>MG219439 representing NM\_001033229  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGACAATGGCTCTCAGGGTGACAACAGATGTGTGGCTGGCAAGACCCTGGCAGTGCCTGCACAGGACAA  
 GGGCACTGGGCACCACGGCAACTGGCCCCAAAGACCCTGCAGCCCTTTGAAGCCATACCACAGTACTC  
 CAGGAACAAGTGCTGAAGATGATACAGATCCTGAGGGAGCAGGGCCAAGAAAACCTACACCTGGAGATG  
 CATCAGGTCTTCCGGGAGCTGGGGCCATTTTCAGGCACAGTGTAGGGAAAAACACAGATCGTGTGGTGA  
 CGTTGCCGGAGGATGTTGAGAAGCTGTACCAGGTAGAGAGTACGCACCCTTGCCGCATGCCCTTGAATC  
 CTGGATAGTCCATAGAGAACTCCGTGGCCTGGGACGTGGTGTGTTCTTGCTAAATGGCCAGAATGGTAC  
 TTCAACCGACTGCAGTGAACCCAAATGTTCTGTACCAAAAGCCGTTCAAAAATTTGCCCTTGGTGG  
 ATGGGATAGCAAGGGACTTTGTGGATAACCTGAAGAAGAAAATGCTGGAAAGTGTCCATGGTAGCTTCTC  
 TATGGACTTTTCAGTCCAGTGTGTTCAACTATACCATAGAAGCTAGCCACTTTGTTCTTTTGGGGAGCGG  
 CTGGGCCCTCATTGGCCGTGATCTGAGCCCTGACAGCCTGAAGTTCCTCCACACCCTGCACCTCCATGTTCA  
 AAACCACCACACAGCTCTTGTACTTGCCAGGAGCCTGACCCGATGGACAAGCACCAGGGTGTGGAAAGA  
 AAAGTTAGAGTCTGGGATTTTCTCTGAATATGTCACCAAAATGTATCAAGAATGTGTATCGAGAGCTG  
 GCAGAGGGTCTCCACAGTCTGGAGTGTACAGCAGAGCTGGTGTAGTGAAGAACTCTGTCAATGGATG  
 CCATCCAGGCTAACTCAATGGAAGTCAATGCTGGAAGCACTGACACGACATCAACCCCTTGGTAATGAC  
 TTTCTTTGAGCTGGCTCGGAACCCAGATGTTTACAGCAGGCCCTGAGGCAGGAGAGCCTGGCAGCTGAGGCC  
 AGCATCGCTGCAAACTCCTCAGAAGGCCATGTGACAGCTGCCCTTGCTGAGGGCTGCCCTTAAAGAGACCT  
 TGAGGCTCTATCCTGTTGGTACTTTTCTGGAGAGAATTCTAAGCTCAGACTTGGTCTTCAAGAACTACCA  
 TGTCCTGCTGGGACAGTCTCAATGTGAATCTGTATTCCATGGGCCGGAACCCTGCAGTGTCCCAAGG  
 CCTGAACGCTATATGCCTCAGCGCTGGCTGGAGAGGAAAAGGAGTTTCAAGCACCTGGCCTTTGGCTTTG  
 GGGTGCGCCAGTGCCTGGGGAGGCGCCTGGCAGAGGCAGAGATGATGCTCCTGCTTACCATGTGCTGAA  
 ATCCTTCCACGTGGAGACACAAGAGAAAGAGGATGTGCGGATGGCCTACCGCTTCGTTTTGATGCCACG  
 TCCAGTCTCTCTCACTTTCAGGCCTGTCAAC

**ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA**

**Protein Sequence:**

>MG219439 representing NM\_001033229  
 Red=Cloning site Green=Tags(s)

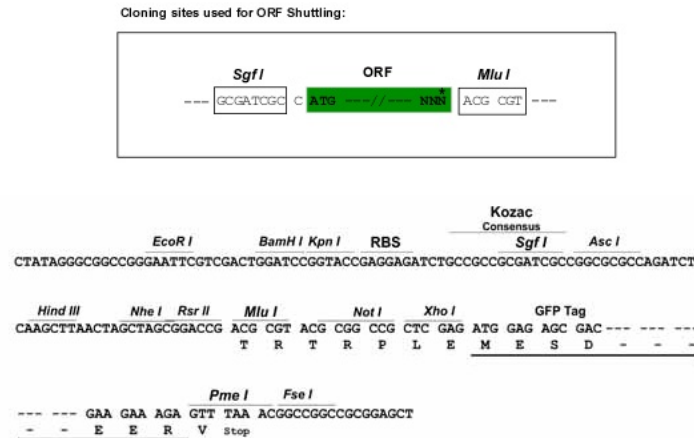
MTMALRVTTDVLARPWQCLHRTRALGTTATLAPKTLQPFPAIPQYSRNKWLKMIQILREQGQENLHEM  
 HQVFRELGPVIFRHSVKGKQIVFVTLPEVVEKLYQVESTHPCRMPLSWIVHRELRLGRGVFLLNGPEWY  
 FNRLQLNPVLSPKAVQKQFVPLVDGIARDFVDNLKKKMLESVHGSFSMDFQSSVFNYTIEASHFVLFGER  
 LGLIGRDLSPDSLKFLHTLHSMFKTTTQLLYLPRSLTRWTSTRVWKENLESWDFISEYVTKCIKNVYREL  
 AEGRPQSWSVTAELVAERTLSMDAIQANSMEIAGSTDTTSTPLVMTFFELARNPDVQALRQESLAAEA  
 SIAANPQKAMSDLPLLRALKETLRLYPVGTFLERILSSDLVLQNYHVPAGTVLNVNLYSMGRNPAVFP  
 PERYPQWRLEKRSFKHLAFGFGVRQCLGRRLAEAEMLLLHHVLSFHVETQEKEVDVRYMAYRFLMPS  
 SSPLLTFRPVN

**TRTRPLE - GFP Tag - V**

**Restriction Sites:**

Sgfl-MluI

Cloning Scheme:



ACCN: NM\_001033229

ORF Size: 1503 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\\_001033229.3](#), [NP\\_001028401.2](#)

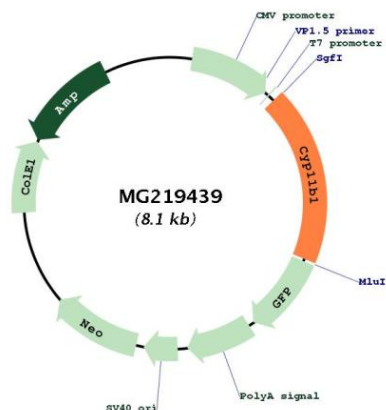
RefSeq Size: 2398 bp

RefSeq ORF: 1506 bp

Locus ID: 110115

Cytogenetics: 15 34.29 cM

Product images:



Circular map for MG219439