

## Product datasheet for **MG208124**

### **Cyp3a11 (BC010528) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Cyp3a11 (BC010528) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Cyp3a11
Synonyms:	AI256190; Cyp3a; IIIAm1; Pcn
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>MG208124 representing BC010528  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGGACCTGGTTTCAGCTCTCTCACTGGAACCTGGGTGCTCCTAGCAATCAGCTTGGTGCTCCTTACC  
 GATATGGGACTCGTAAACATGAACCTTTTTAAGAAACAGGGAATTCCTGGGCCCAAACCTCTGCCATTTTT  
 AGGCACCTGTGCTGAATTATTACAAGGGTTTATGGAAATTCGACATGGAGTCTATAAAAAAGTATGGAAAA  
 ACATGGGGTTGTTTGTGGTCAAACGCCTCTCCTTGCTGTCACAGACCCAGAGACGATTAAGAATGTGC  
 TAGTGAAGGAATGTTTTCTGTCTTCAAAACCGCGGGATTTGGCCAGTGGGGATAATGAGTAAAGC  
 TATCTCAATATCTAAGGATGATGAATGGAAGAGATATAGAGCTTTGCTGTCCCCACATTCACCAGTGA  
 AAACCAAGGAGATGTTCCCTGTCATTGAACAGTATGGAGACATTTTGGTAAAGTACTTGAGGCAGAAGG  
 CAAAGAAAGGCAAGCCTGTTACTATGAAAGATGTGTTAGGTGCTTACAGCATGGATGTGATCACCAGCAC  
 ATCATTTGGAGTGAACGTGGATTCCCTCAACAACCCAGAGGATCCTTTTGTGGAGAAAGCCAAAAAGCTT  
 TTAAGATTTGATTTTTTGTATCCTTTGCTCTTCTCAGTAGTACTTTTTCCATTCTGACACCAGTATATG  
 AGATGTTAAATATCTGCATGTTCCCAAAGGATTCAATAGAATTTTTCAAAAAATTTGTTGGACAGAATGAA  
 GGAAAGCCGCTGGATTCTAAGCAGAAGCACCGAGTGGATTTTCTTACGCTGATGATGAATTCTCATAAT  
 AATTCCAAAGACAAAGTCTCTCATAAAGCCCTTTCTGACATGGAGATCACAGCCAGTCAATTATCTTTA  
 TTTTTGCTGGGTATGAAACCACAGTAGCACACTTTCCTTACCCTGCATTCTTGGCCACTCACCTGA  
 TATCCAGAAAAACTGCAGGATGAGATCGATGAGGCTCTGCCAACAAGGCACCTCCCACGTATGACT  
 GTGATGGAGATGGAATACCTGGATATGGTGCTTAATGAAACCCTCAGATTATATCCCATTGCTAATAGAC  
 TTGAGAGAGTCTGTAAGAAAGATGTTGAACTCAATGGTGTGTATATCCCCAAAGGTCAACAGTGTGAT  
 TCCATCTTATGCTTTCACCATGACCCACAGCACTGGTCAGAGCCTGAAGAATTC AACCTGAAAGGTTT  
 AGCAAGGAGAACAAGGGCAGATTGATCCTTATGTATATCTGCCCTTTGGGAATGGACCCAGGAAGTCC  
 TTGGCATGAGTTTGCTCTCATGAATATGAAACTTGTCTCACTAAAATTATGCAGAACTTCTCCTTCCA  
 GCCTTGTAAAGAAACACAGATACCTCTGAAATTAAGCAGACAAGGACTTCTTCAACCAGAAAAACCCATT  
 GTTCTAAAGTTGTGCCACGGGATGCAGTCATAACTGGAGCA

**ACGCGTACGCGGCCGCTCGAG** – GFP Tag – GTTTAA

**Protein Sequence:**

>MG208124 representing BC010528  
 Red=Cloning site Green=Tags(s)

MDLVLSALSLETWVLLAISLVLLYRYGTRKHELFKKQIGIPGPKPLPFLGTVLNYKGLWKFDMECYKKYGK  
 TWGLFDGQTPLLAVTDPETIKNVLVKECFSVFTNRRDFGPVIGMSKAISSKDDWKRYPALLSPTFTSG  
 KLKEMFPIEQYGDILVKYLRQAKKGGKPVMTKDVLGAYSMDVITSTSGVNVDSLNNPEDPFVEKAKKL  
 LRFDFDPLLSVVLFPFLTPVYEMLNICMFKDSIEFFKKFVDRMKESRLDSKQKHRVDFLQLMMNSHN  
 NSKDKVSHKALSDMEITAQSIIFIFAGYETTSSTLSFTLHSLATHPDIQKQLQDEIDEALPNKAPPTYDT  
 VMEMEYLDMLNETLRLYPIANRLERVCKKDVELNGVYIPKGSTVMIPSYALHHPQHWSEPEEFQPERF  
 SKENKGSIDPYVYLPFGNGPRNCLGMRFALMNMKLLALTKIMQNFSPQPKETQIPLKLSRQGLLQPEKPI  
 VLKVVPRDAVITGA

**TRTRPLE** – GFP Tag – V

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**


**ACCN:** BC010528

**ORF Size:** 1514 bp

**OTI Disclaimer:** 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 [custsupport@origene.com](mailto:custsupport@origene.com) or by calling 301.340.3188 option 3 for pricing and delivery.

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.

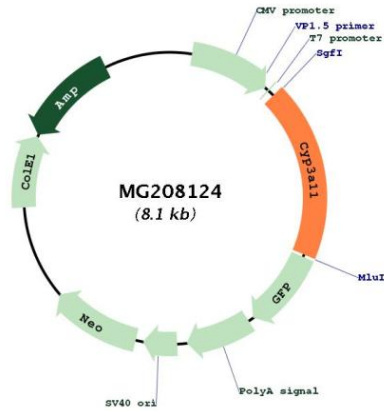
**Components:** The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

- 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:** [BC010528](#), [AAH10528](#)

RefSeq Size: 2070 bp  
 RefSeq ORF: 1514 bp  
 Locus ID: 13112  
 Cytogenetics: 5 85.17 cM  
 Gene Summary: Catalyzes erythromycin N-demethylation, nifedipine oxidation and testosterone 6 beta-hydroxylation.[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MG208124