

Product datasheet for **MR208124**

Cyp3a11 (NM_007818) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cyp3a11 (NM_007818) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Cyp3a11
Synonyms:	AI256190; Cyp3a; IIIAm1; Pcn
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR208124 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGACCTGGTTTCAGCTCTCTCACTGGAACCTGGGTGCTCCTAGCAATCAGCTTGGTGCTCCTTACC
 GATATGGGACTCGTAAACATGAACCTTTTTAAGAAACAGGGAATTCCTGGGCCCAAACCTCTGCCATTTTT
 AGGCACCTGTGCTGAATTATTACAAGGGTTTATGGAAATTCGACATGGAGTCTATAAAAAAGTATGAAAA
 ACATGGGGTTGTTTGTGGTCAAACGCCTCTCCTTGCTGTACAGACCCAGAGACGATTAAGAATGTGC
 TAGTGAAGGAATGTTTTCTGTCTTCAAAACCGCGGGATTTGGCCAGTGGGGATAATGAGTAAAGC
 TATCTCAATATCTAAGGATGATGAATGGAAGAGATATAGAGCTTTGCTGTCCCCACATTCACCAGTGA
 AAACCAAGGAGATGTTCCCTGTCATTGAACAGTATGGAGACATTTTGGTAAAGTACTTGAGGCAGAAGG
 CAAAGAAAGGCAAGCCTGTTACTATGAAAGATGTGTTAGGTGCTTACAGCATGGATGTGATCACCAGCAC
 ATCATTTGGAGTGAACGTGGATTCCCTCAACAACCCAGAGGATCCTTTTGTGGAGAAAGCCAAAAGCTT
 TTAAGATTTGATTTTTTGTATCCTTTGCTCTTCTCAGTAGTACTTTTTCCATTCTGACACCAGTATATG
 AGATGTTAAATATCTGCATGTTCCCAAAGGATTCAATAGAATTTTTCAAAAAATTTGTTGGACAGAATGAA
 GGAAAGCCGCTGGATTCTAAGCAGAAGCACCGAGTGGATTTTCTCAGCTGATGATGAATTCTCATAAT
 AATTCCAAAGACAAAGTCTCTATAAAGCCCTTTCTGACATGGAGATCACAGCCAGTCAATTATCTTTA
 TTTTGTGGGTATGAAACCACAGTAGCACACTTTCCTTACCCTGCATTCCTTGGCCACTCACCTGA
 TATCCAGAAAAACTGCAGGATGAGATCGATGAGGCTCTGCCAACAAGGCACCTCCACGTATGATACT
 GTGATGGAGATGGAATACCTGGATATGGTGCTTAATGAAACCCCTCAGATTATATCCCATGCTAATAGAC
 TTGAGAGAGCTGTAAGAAAGATGTTGAACTCAATGGTGTGTATATCCCAAAGGTCACACAGTGTGAT
 TCCATCTTATGCTCTTACCATGACCCACAGCACTGGTCAGAGCCTGAAGAATTCACACCTGAAAGGTTT
 AGCAAGGAGAACAAGGGCAGATTGATCCTTATGTATATCTGCCCTTTGGGAATGGACCCAGGAAGTCC
 TTGGCATGAGTTTGTCTCATGAATATGAAACTTGTCTCACTAAAATTATGCAGAACTTCTCCTTCCA
 GCCTTGTAAAGAAACACAGATACCTCTGAAATTAAGCAGACAAGGACTTCTTCAACCAGAAAAACCATT
 GTTCTAAAGTTGTGCCACGGGATGCAGTCATAACTGGAGCA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR208124 protein sequence
 Red=Cloning site Green=Tags(s)

MDLVSALSLETWVLLAISLVLLYRYGTRKHELFKKQIGIPGPKPLPFLGTVLNYYKGLWKFDMCEYKYYGK
 TWGLFDGQTPLLAVTDPETIKNVLVKECFSVFTNRRDFGPVIGMSKAISISKDDEWKRYRALLSPTFTSG
 KLKEMFPVIEQYGDILVKYLRQKAKKGPVTMKDVLGAYSMDVITSTSFVNVDSLNNPEDPFVEKAKKL
 LRFDFDPLLFSVLPFLTPVYEMLNICMFPKDSIEFFKKFVDRMKESRLDSKQKHRVDFLQLMMNSHN
 NSKDKVSHKALSDMEITAQSIIFIFAGYETTSSTLSFTLHSLATHPDIQKQLQDEIDEALPNKAPPTYDT
 VMEMEYLDMLNETLRLYPIANRLERVCKKDVELNGVYIPKGSTVMIPSYALHHDHPQHWSEPEEFQPERF
 SKENKGSIDPYVYLPFGNGPRNCLGMRFALMNMKLLALTKIMQNFSPQCKETQIPLKLSRQGLLQPEKPI
 VLKVVPRDAVITGA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NM_007818

ORF Size: 1515 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 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](#)

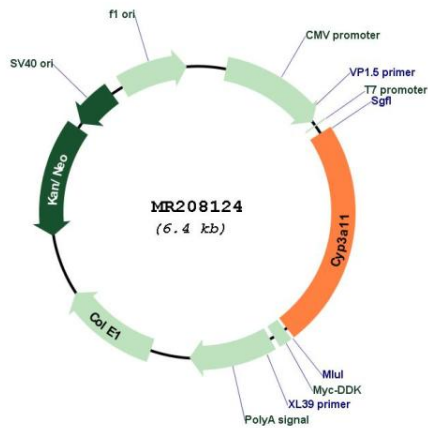
OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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: [NM_007818.3, NP_031844.1](#)

RefSeq Size:	2053 bp
RefSeq ORF:	1515 bp
Locus ID:	13112
UniProt ID:	Q64459
Cytogenetics:	5 85.17 cM
MW:	57.9 kDa
Gene Summary:	Catalyzes erythromycin N-demethylation, nifedipine oxidation and testosterone 6 beta-hydroxylation.[UniProtKB/Swiss-Prot Function]

Product images:


Circular map for MR208124