

Product datasheet for **MC228166**

Cyp4f14 (NM_001204336) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cyp4f14 (NM_001204336) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Cyp4f14
Synonyms:	1300014O15Rik; cyp4f-14
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC228166 representing NM_001204336
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTCACAGCTGAGCCTGTCCTGGTTGGGACTGGGGCCCGAGGTGGCCTCCCATGGAAGACCCTGCTAC
 TGCTTGGGGCCTCCTGGATCCTGGCCCGATTCTGATCCAGATCTATGCTGCCTATAGGAACTATCGTCA
 CCTCCATGGCTTCCCTCAGCCCCCAAACGGAAGTGGCTTATGGGTCACGTGGGCATGTTAACTCCTACA
 GAGCAGGGCTTGAAGGAATTGACTCGTTTTGGTGGGTACCTACCCCAAGGTTTTTTGATGTGGATTGGAC
 CAATGGTCCCTGTTATTACTCTATGCCATTCTGACATCGTCCGATCTATCCTCAATGCCTCAGCCGCTGT
 TGCCTCAAGGATGTGATATTCTACAGCATCCTAAAGCCTTGGCTGGGGGATGGGCTCTTGGTGAAGTGT
 GGTGACAAGTGGAGCCGCATCGTCGCATGCTGACACCCGCTTCCATTTCAACATCCTGAAGCCCTATG
 TGAAGATTTTCAACGATAGCACCAACATCATGCACGCCAAGTGGCAACGGTTGATTTAGATGGCAGTGC
 CCGTCTGGACATGTTTGGACAGCTCAGCCTGATGACTCTGGATAGTCTGCAGAAATGTGTCTTCAGCTTT
 GACAGCAACTGTCAGGAGAAGTCCAGTGAATATATTGCTGCCATCCTGGAGCTCAGTGCCTAGTGGCCA
 AAAGGCACCAGCAGCCTTTGATGTTTCATGGACCTGCTGTATAATCTCACCCCTGATGGTATGCGCTTCCG
 TAAGGCCTGCAACGTGGTGCATGAATTCATGATGCTGTCCATCCGGGAGCGGCACCCGACCCCTCCAGAT
 CAGGGTTTGGATGACTTCCTTAAGTCTAAGGCCAAGTCCAAGACTTTGGATTTTCATTGATGTGCTGCTGC
 TGAGCAAGGATGAAGATGGAAAGGAGCTGTGAGATGAGGACATCCGAGCAGAGGCTGACACCTTCATGTT
 TGAGGGCCATGACACGACAGCCAGTGGACTCTCCTGGATCCTCTACAACCTGGCAAGGCACCCAGAATAC
 CAGGAGCCGCTGCCGCGAGGAAGTTCAGGAGCTGCTGAGGGCCGAGAGCCTGAGGAGATTGAATGGGACG
 ACCTGGCCAGCTACCTTCTGACCATGTGCATCAAGGAGAGTCTGCGACTGCATCCCCAGTACCGGT
 CATCTCCCGATGCTGCACCCAGGACATTCTGCTCCAGATGGCCGACCATTCCCAAAGGTATCATCTGT
 CTCATCAGCATCTTTGGAATTCATCACAACCCATCCGTGTGGCCAGACCCCTGAGGTCTATGACCCCTTCC
 GCTTTGACCCTGAAAACATCAAAGACAGCTCACCTCTGGCATTATTCCTTCTCGGCGGGACCCAGGAA
 CTGCATAGGACAGACTTTCGCCATGAGTGAAGTGGCACTGGCGCTGACGCTGCTGCGCTTCCGA
 CTCCTACCGGATGACAAGGAGCCGCGCAGGACAGGCTGATCCTGCGCGCAGAGGGCGGGCTGTGGC
 TGCGGGTGGAGCCGCTGAGCGCGGGCGCTCAT**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_001204336
- Insert Size:** 1575 bp
- OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
- OTI Annotation:** Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
- 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_001204336.1](#), [NP_001191265.1](#)

RefSeq Size: 2205 bp

RefSeq ORF: 1575 bp

Locus ID: 64385

UniProt ID: [Q9EP75](#)

Cytogenetics: 17 B1

Gene Summary: Cytochromes P450 are a group of heme-thiolate monooxygenases. Catalyzes the omega-hydroxylation of LTB4 (By similarity).[UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (3) differs in the 5' UTR, compared to variant 1. Variants 1, 2, 3, 4 and 5 encode the same protein. Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.