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Product datasheet for MC228164

Cyp4f14 (NM_001204334) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cyp4f14 (NM_001204334) 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:

>MC228164 representing NM_001204334
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGTCACAGCTGAGCCTGTCCTGGTTGGGACTGGGGCCCGAGGTGGCCTTCCCATGGAAGACCCTGCTAC
TGCTTGGGGCCTCCTGGATCCTGGCCCGGATTCTGATCCAGATCTATGCTGCCTATAGGAACTATCGTCA
CCTCCATGGCTTCCCTCAGCCCCCCAAACGGAACTGGCTTATGGGTCACGTGGGCATGGTAACTCCTACA
GAGCAGGGCTTGAAGGAATTGACTCGTTTGGTGGGTACCTACCCCCAAGGTTTTTTGATGTGGATTGGAC
CAATGGTCCCTGTTATTACTCTATGCCATTCTGACATCGTCCGATCTATCCTCAATGCCTCAGCCGCTGT
TGCACTCAAGGATGTGATATTCTACAGCATCCTAAAGCCTTGGCTGGGGGATGGGCTCTTGGTGAGTGCT
GGTGACAAGTGGAGCCGCCATCGTCGCATGCTGACACCCGCTTTCCATTTCAACATCCTGAAGCCCTATG
TGAAGATTTTCAACGATAGCACCAACATCATGCACGCCAAGTGGCAACGGTTGATTTCAGATGGCAGTGC
CCGTCTGGACATGTTTGAGCACGTCAGCCTGATGACTCTGGATAGTCTGCAGAAATGTGTCTTCAGCTTT
GACAGCAACTGTCAGGAGAAGTCCAGTGAATATATTGCTGCCATCCTGGAGCTCAGTGCCCTAGTGGCCA
AAAGGCACCAGCAGCCTTTGATGTTCATGGACCTGCTGTATAATCTCACCCCTGATGGTATGCGCTTCCG
TAAGGCCTGCAACGTGGTGCATGAATTCACTGATGCTGTCATCCGGGAGCGGCACCGCACCCTCCCAGAT
CAGGGTTTGGATGACTTCCTTAAGTCTAAGGCCAAGTCCAAGACTTTGGATTTCATTGATGTGCTGCTGC
TGAGCAAGGATGAAGATGGAAAGGAGCTGTCAGATGAGGACATCCGAGCAGAGGCTGACACCTTCATGTT
TGAGGGCCATGACACGACAGCCAGTGGACTCTCCTGGATCCTCTACAACCTGGCAAGGCACCCAGAATAC
CAGGAGCGCTGCCGGCAGGAAGTTCAGGAGCTGCTGAGGGGCCGAGAGCCTGAGGAGATTGAATGGGACG
ACCTGGCCCAGCTACCCTTCCTGACCATGTGCATCAAGGAGAGTCTGCGACTGCATCCCCCAGTCACGGT
CATCTCCCGATGCTGCACCCAGGACATTCTGCTCCCAGATGGCCGGACCATTCCCAAAGGTATCATCTGT
CTCATCAGCATCTTTGGAATTCATCACAACCCATCCGTGTGGCCAGACCCTGAGGTCTATGACCCCTTCC
GCTTTGACCCTGAAAACATCAAAGACAGCTCACCTCTGGCATTTATTCCCTTCTCGGCGGGACCCAGGAA
CTGCATAGGACAGACTTTCGCCATGAGTGAGATGAAGGTGGCACTGGCGCTGACGCTGCTGCGCTTCCGA
CTCCTACCGGATGACAAGGAGCCGCGCAGGCAGCCAGAGCTGATCCTGCGCGCAGAGGGCGGGCTGTGGC
TGCGGGTGGAGCCGCTGAGCGCGGGCGCTCATTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001204334

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).

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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_001204334.1, NP_001191263.1
RefSeq Size:	2051 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 (5) differs in the 5' UTR, compared to variant 1. Variants 1, 2, 3, 4 and 5 encode the same protein.

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