

Product datasheet for **MC216791**

Cyp2b19 (NM_007814) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cyp2b19 (NM_007814) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Cyp2b19
Synonyms:	CYPIIB19
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC216791 representing NM_007814
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAATTCAGTGTGCTGCTCCTTCTCGCTCTCACCACAGGCTTCTTGATATTCTTAGTCAGCCAAAGTC
AGCCAAAGACCCATGGCCACTTCCCACCAGGACCTCGTCCCCTGCCCTTCTTGGGTAACCTCTTGCAGAT
GGACAGACGGGGCCTTCTGAGCTTTTCATACAGCTTCAAGAAAAATATGGAGATGTGTTACAGTACAC
CTGGGACCGAGGCCCTGGTTCATGTTGTGCGGGACAGACACCATAAGGGAAGCTCTGGTGAACCAAGCTG
AGGCTTTCTTGCCGAGGGACAGTTGTGTGCTTGTATCCAATTGTTCAAGGATATGGTGTGATCTTTTC
CAGTGGGGAACGTTGAAAAACCTTCGGCGATTCTCTGGCCACCATGAGAGACTTTGGGATGGGAAAG
CGGAGTGTGGAGGAGCGGATAAAGGAAGAGGCCCAATGTTTGGTGGAGAACTGAAGAAATACAAGGGAG
CCCCTCTGAACCCACCTTCTACTTCCAGTGCATCGTAGCAAATATCATCTGCTCCATTGTCTTTGGAGA
GCGCTTTGACTACAAAGACCACCAATTCCTGCATCTGCTAAATCTGATCTACCAGACATTTCCCTCATG
AGCTCATTGTCCAGCCAGGTGTTTGGAGCTTCTCTGCCATCCTGAAGTACTTTCCTGGTGGCCACAGAC
AAATCTCCAAAAACCTGCAGGAAATCCTTGACTACATTGGCCATAGTGTGGAGAAGCACAGGGCCACCTT
GGACCCAGTGTCTCCACGAGACTTCATTGATACCTACCTTCTGCGCATGGAGAAGGAGAAGTCCAACCAC
CATACAGAGTTCATCACCAGAACCTCGTGATCTCTGTGCTCTCTCTGTTCTTTGCTGGCACCGAGACCA
CCAGCACACGCTCCGTTACAGCTTCTGATCATGCTCAAGTACCCCATGTGCGCAGAGAAAGTCCAAAA
GGAGATTGATCAGGTGATCGGCTCACACCGCTACCGACTTTGATGATAGAACCAAAATGCCATACACT
AAGACACACTGTTCCGAGGATACCTGATCCCCAAGAACACTGAGGTGTACCCCATCCTGAGTTCAGCTCT
TCATGACCCACGGTACTTTGAACAACCAGACAGCTTCAATCCTGAGCACTTCTGGATGCCAATGGGGCA
CTGAAGACAAATGAAGCTTTCATGCCCTTCTCCACAGGAAAGCGCATTTGTCTTGAGAGAAGCATTGCC
GCAATGAATTGTTCTTTTCTTACCACCATCCTCCAGAATTCTCTTTGGCCAGCCCTGTAGCTCCTGA
GAACATTGACCTATTCCCAATAACAGTGGTGCAACCAAAACACCCCCACAGTACCAGATTCACTTCTTG
TCCCGT**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_007814

Insert Size: 1479 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).

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_007814.2](#), [NP_031840.1](#)

RefSeq Size: 2765 bp

RefSeq ORF: 1479 bp

Locus ID: 13090

UniProt ID: [O55071](#)

Cytogenetics: 7 15.44 cM

Gene Summary: Cytochromes P450 are a group of heme-thiolate monooxygenases. In liver microsomes, this enzyme is involved in an NADPH-dependent electron transport pathway. It oxidizes a variety of structurally unrelated compounds, including steroids, fatty acids, and xenobiotics. [UniProtKB/Swiss-Prot Function]