

Product datasheet for **MC200788**

Cyp8b1 (BC010974) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cyp8b1 (BC010974) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Cyp8b1
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF:	>BC010974 CCACGCGTCCGGACAAGTGGAGCTCAGCCTGCTGGAGCCTAGCCATGACGCTGTGGTGTACAGTGTAGG AGCCCTGCTCACGGTTGTGGGATGCCTGTGTCTGTCTTGTCTGCTCAGGCACCGCAGGCCCTGGGAGCCA CCTCTGGACAAGGGTTTTGTGCCCTGGCTGGGTCACTCCATGGCTTTCCGGAAGAATATGTTTGAATTCT TGAAGGGGATGCGGGCCAAGCACGGGGATGTCTTACGGTGCAGCTGGGAGGCCAGTACTCACCTTTGT CATGGACCCCTGTCCTTTGGCCCCATCATTAAAGAACACAGAGAAAGCGTGGACTTCCAGTCCTATGCA AAAGAACTGGTGTCAAGGTGTTTTGGTACCAGTCTGTAGATGGGGACCACAGGATGCCACTTAGCTA GTACCAAGCATCTGATGGGGCAAGGCTTGGAGGAAGTCAACCAGGCCATGCTGGACAGCCTATCCTTGGT GATGCTAGGGCCTAAAGTTCGAGTCTGGTGCCAGCTCCTGGTGAAGATGGCCTCTTCACTTCTGC TACAGAATCCTGTTAAGGCTGGCTTCTGAGCTTATTCGGCTACACCAAGGACAAGCAGCAAGACCTGG ATGAGGCCGATGAGCTGTTACAGGAAGTTCGTCGATTTGACTTTCTTCCCCAGTTTTGTCTACTCCCT ACTGGGGCCCCGGGAGTGGTGGAAAGTGAAGCCAGTTGCAGCGTCTTCCACCAGAGACTCTGTGGAG CAAAACCTGGAAGACGGCATAAGCTGTTGGTTAGGCTACATGCTTCAGTTTCTGAGGGAGCAAGGAA TAGCTTACATCCATGCAGGACAAAATTAACCTTATGATGCTCTGGGCTCCAGGGGAACACGGGACCCAC CTGTTTCTGGGTCTCTTATTCCTGCTGAAGCACCAGGATGCCATGAAGGCTGTGCGTGAGGAAGCCACC AGGGTCATGGGTAAGGCCAGGCTGGAAGCCAAGAAGTCGTTCACTTTCACTCCCAGTGCCCTGAAACACA CTCCCGTGTGGACAGCGTGATGGAGGAGAGTCTGCGTCTCTGTGCCACCCACCTCCTCAGGGTGGT ACAGGAGGATTATGTCCTGAAGATGGCCAGCGGCAAGAGTACCAGATCCGTCGCGGAGATAAGGTGGCT CTTTCCCTATCTCTCAGTACACATGGACCCGACATCCACCCTGAGCCACAGCCTTCAAGTATGATC GGTTCTCAACCCGGATGGCACCCGAAAGTGGACTTCTACAAGTCGGGCAAGAAGATCCACCACTACAG CATGCCTTGGGGCTCGGGTGTTCCAAGTGCCCGGCAGGTTCTTGGCCTCAGCGAGATGAAGACCTTT GTCCTTCTATGATTATGTACTTCGACTTCAAGCTGGTCGACCCCGACATACCTGTGCCCCCATTGACC CAAGCGCTGGGGCTTTGGCACCTCACAGCCTAGCCATGAGGTACGCTTCTCTATCGCCTGAAGCCCGT GCAGTGAGCTCAGGTCTGAGCATACCCTGCAGCCAGAGCAGCACTGAATACCCATCCTCTGGCTCTGAG GCACTCCTTCTCTCCAGCTCTCAGAGATCTGTCTGCTCCCATGAAGACGCCATCCCTCCAGCGGTC TCTGCCTGACCCTCCTCTCAGGAGGAACACATGTGGTCAGCTCAGTTTACAAGTATGGCTCACCCACAC TTGACTCATCCTGGAGGGCAGACCAGCTCCCGTGAGTCAGATGGCATCTTGCAAATGCTGCCTCAACCCA TCCCGCTGCCTACTCGATGCCCTTACTCCAAATCCTACCAGCTCAGACTCCAGGGATGTTGCTCAATG GAATCGAGCCATGTGTGCGACTGTTAATTTCCCACTAGATATAAAAGCAAGGGATTACGTTGAAAAAAA AAAAAAAA
Restriction Sites:	RsrII-NotI
ACCN:	BC010974
Insert Size:	1503 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:	<ol style="list-style-type: none"> 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:	BC010974 , AAH10974

RefSeq Size: 1969 bp

RefSeq ORF: 1503 bp

Locus ID: 13124

Cytogenetics: 9 F4

Gene Summary: Involved in bile acid synthesis and is responsible for the conversion of 7 alpha-hydroxy-4-cholesten-3-one into 7 alpha, 12 alpha-dihydroxy-4-cholesten-3-one. Responsible for the balance between formation of cholic acid and chenodeoxycholic acid. Has a rather broad substrate specificity including a number of 7-alpha-hydroxylated C27 steroids.
[UniProtKB/Swiss-Prot Function]