

Product datasheet for MC201063

Cyp2a4 (BC011233) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Cyp2a4 (BC011233) Mouse Untagged Clone
Tag: Tag Free
Symbol: Cyp2a4
Synonyms: AI893559; Cyp15a1; D7Ucla4
Mammalian Cell Selection: Neomycin
Vector: PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection: Kanamycin (25 ug/mL)

Fully Sequenced ORF: >BC011233
 CCATGCTGACCTCAGGACTCCTCCTGGTGGCTGCAGTGGCCTTCCTCAGCGTCTGGTCTTGATGTCTGT
 CTGGAAGCAGAGAAAGCTCTCAGGAAAGCTGCCTCCAGGACCCCACTGCCCTTCATTGGGAACTTC
 CTTCAGCTGAACACAGAGCAAATGTACAACTCTCATGAAGATCAGCCAACGTTATGGTCTGTATTCA
 CCATCTACCTGGGACCTCGCCGAATTGTGGTGTGTGCGGACAGGAGGCAGTCAAGGAAGCTCTGGTGGAA
 CCAAGCTGAGGAATTCAGCGGGCGGGCGAGCAAGCTACCTTCGACTGGCTTTTCAAAGGCTATGGCGTA
 GCCTTCAGCAGCGGGAGCGAGCCAAACAGCTAAGGCGCTTCTCCATCGCCACGCTGCGGGACTTCGGCG
 TGGGGAAGCGTGGCATCGAGGAGCGCATCCAAGAGGAGGCGGGCTTTCTCATCGATTCAATTCGGAAGAC
 GAACGGTCTTTTATTGACCCACCTTCTACCTTAGCCGAACAGTCTCCAATGTCATTAGCTCAATTGTC
 TTCGGGACCGCTTTGACTATGAGGACAAAGATTCTGTCACTGCTTCAATGATGCTGGGAAGCTTCC
 AGTTCACTGCTACCTCCATGGGGCAGCTCTATGAGATGTTCTTCTGTGATGAAACACCTGCCAGGGCC
 CCAGCAACAGGCCTTAAAGGAGCTGCAGGCCTGGAGACTTCATAACCAAGAAAGTGGAACACAATCAG
 CGCACGCTGGATCCCAATTCCTCAAGGGACTTCATCGACTCCTTCTCATCCGAATGCTGGAGGAGAAGA
 AGAACCCCAACTGAGTTCTACATGAAGAACTTGGTGTGACTACACTAAATCTTCTTTGCTGGCAC
 AGAGACCGTCAGCACCACCTGCGCTATGGCTTCTGTTGCTCATGAAGCACCCAGATATTGAGGCCAAG
 GTCCATGAGGAGATTGATCGGGTATTGGCAGGAACCGGCAGCCCAAGTATGAGGACCGAATGAAGATGC
 CCTATACGGAGGCTGTAATCCATGAGATCCAGAGATTTGCAGACATGATCCCATGGGCCTGGCTCGAAG
 GGTCAACCAAGGACACCAAGTTTCGAGATTTCTCCTCCCAAGGGTACTGAAGTGTTCCTATGCTGGGC
 TCTGTGCTGAAAGACCCCAAGTTCTTCCAACCCCAAGACTTCAACCCAAAGCACTTCTAGATGACA
 AGGGACAGTTTAAAGAAGATGATGCCTTTGTGCCCTTTTCCATTGAAAACGGTATTGTTTCGGAGAAGG
 ACTGGCTAGGATGGAACCTTCTCCTTCTCACAACATCATGCAGAACTTCACTTCAAATCCACACAG
 GCACCCAGGACATCGATGTGTCTCTAGACTCGTGGGCTTTGCCACGATCCCACCAACCTACACTATGA
 GTTTCTTGTCCCCTTGGCCTGGCTGCATGAGGTTAAAGGGAATGATTGAGACCAGACAAGTCAGGGGT
 TGAAACTTAGAAAAGGTCAAAGGTACAGAAGAAACAGAGGACACAGAGTAGACTTGCAGAGGATATTTCA
 AAGGTAGCCAAAGAAGAGGGAAATTTATACTATGTTGTCATAGGAATAATAAAAATAATAAAAGTAGATA
 TTATTTATGGCAAAAAAAAAAAAAA



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Restriction Sites:	RsrII-NotI
ACCN:	BC011233
Insert Size:	1485 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:	BC011233 , AAH11233
RefSeq Size:	1706 bp
RefSeq ORF:	1485 bp
Locus ID:	13086
Cytogenetics:	7 14.39 cM
Gene Summary:	Highly active in the 15-alpha-hydroxylation of testosterone. Also active in the 15-alpha-hydroxylation of progesterone and androstenedione. Little or no activity on corticosterone, pregnenolone, dehydroepiandrosterone, estradiol or estriol.[UniProtKB/Swiss-Prot Function]