

Product datasheet for MC201111

Cyp2a4 (BC010761) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cyp2a4 (BC010761) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Cyp2a4
Synonyms:	A1893559; Cyp15a1; D7Ucla4
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)

Fully Sequenced ORF: >BC010761
 ATCACCCCACTGCCACCATGCTGACCTCAGGACTCCTCCTGGTGGCTGCAGTGGCCTTCCTCAGCGTCCT
 GGTTTTGATGTCTGTCTGGAAGCAGAGAAAGCTCTCAGGAAAGCTGCCTCCAGGACCCCACTGCC
 TTCGTTGGGAACCTCCTTCAGCTGAACACAGAGCAAATGTACAACCTCTCATGAAGATCAGCCAACGTT
 ATGGTCTGTATTACCATCTATCTGGGATCTCGCCGAATTGTGGTGTGTGCGGACAGGAGACAGTCAA
 GGAAGCTCTGGTGGACCAAGCTGAGGAATTCAGCGGGCGGGGCGAGCAGGCTACCTTCGACTGGCTTTTC
 AAAGGCTATGGCATAGCCTTCAGCAGCGGGGAGCGAGCCAAACAGCTAAGGCGCTTCTCCATCACCACGC
 TCGGGGACTTCGGCGTGGGAAGCGTGGCATCGAGGAGCGCATCCAAGAGGAGGGCGGCTTTCTCATCGA
 TTCATTTGGAAGACGAACGGTGTCTTTCATTGACCCACCTTCTACCTTAGCCGAACAGTCTCCAATGTC
 ATTAGCTCAATCGTCTTCGGGGACCGCTTTGACTATGAGGACAAAGAGTTCCTGTCACCTTCTAGAATGA
 TGCTGGGAAGCCTCCAGTTCACCTGCTACCTCCATGGGGCAGGCTATGAGATGTTTTCTTCTGTGATGAA
 ACACCTGCCAGGGCCCCAGCAACAGGCCTTAAAGGAGCTGCAAGGCCTGGAGGACTTTATAACCAAGAAA
 GTGGAACACAATCAGCGCACGCTGGATCCCAATCCCCAAGGGACTTCATCGACTCCTTCCTCATCCGAA
 TGCTGGAGGAGAAGAAGAACCCCAATACTGAGTTCTACATGAAGAAGTGGTGTGACTACACTAAATCT
 CTTCTTTGCTGGCACAGAGACCGTCCAGCACCACCTGCGCTATGGCTTTCTGTTGCTCATGAAGTACCCA
 GATATTGAGGCCAAGGTCCATGAGGAGATTGATCGGGTGATTGGCAGGAACCGGCAGCCCAAGTATGAGG
 ACCGAATGAAGATGCCCTATACGGAGGCTGTAATCCATGAGATCCAGAGATTTGCAGACCTGATCCCCAT
 GGGCCTGGCTCGAAGGGTCACCAAGGACACCAAGTTTCGAGATTTCTCCTCCCCAAGGGTACTGAAGTA
 TTTCTATGCTGGGCTCTGTGCTGAAAGACCCCAAGTTCTTCTCAACCCCAAGACTTCAACCCAAAGC
 ACTTCTAGATGACAAGGGACAGTTTAAAGAAGAGTGATGCCTTTTGTGCCCTTTTCCATTGAAAAACGGTA
 TTGTTTCGGAGAAGGACTGGCTAGGATGGAACCTTTCCTTTCCTCACAAACATCATGCAGAAGTCCAC
 TTCAAATCCACACAGGAACCCCAAGGACATCGATGTGTCTCCTAGACTCGTGGGCTTTGTCCAGATCCAC
 CAACCTACACTATGAGTTTCTTGTCCCCTGATCCTGGGCTGCATGAGGTTAAAGGGAATGATTGAGACC
 AGACAAGTCAGGGGTTGAAACTTAGAAAAGGTCAAAGGTACAGAAGAAACAGAGGACACTTCGTAGACTT
 GCAGAGGATATTTCAAAGGTAGCCAGAGAAGGGGAAATATACTATGTTGTCAATAGGAATAATAAAAT
 AATAAAAGTAGATATTATTTATGGCAAAAAAAAAAAAAAAAAA



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Restriction Sites:	RsrII-NotI
ACCN:	BC010761
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:	<u>BC010761</u> , <u>AAH10761</u>
RefSeq Size:	1722 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]