

Product datasheet for **RN203998**

Cyp2a2 (NM_012693) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cyp2a2 (NM_012693) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Cyp2a2
Synonyms:	CYP2A21; RATCYP2A21
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >RN203998 representing NM_012693
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGC**

ATGCTGGACACAGGACTGCTCCTGGTGGTCATACTGGCCTCCCTAAGTGTATGTTCTTGGTGTCCCTCT
 GGCAGCAGAAAATCAGGGAGAGATTGCCTCCAGGACCCACTCCTTGCCTTTCATTGGAAATTATCTGCA
 GCTGAATATGAAAGACGTATACAGTTCCATCACACAGCTCAGTGAGCGCTATGGTCTGTGTTCCACCATT
 CACCTTGGGCCTCGACGGATTGTTGTGCTTTATGGATACGATGCAGTCAAAGAGGCTTTGGTGGACCAAG
 CTGAGGAGTTCACTGGACGTGGCGAACTGCCTACCTTTAATACTCTTCAAAGGCTATGGTTTTTCATT
 GAGCAATGTGGAACAGGCCAAGCGTATCAGGCGCTTCACCATAGCCACATTGAGAGATTTTGGTGTGGGC
 AAGCGTGATGTACAGGAGTGATCCTGGAGGAGGAGGCTATTTGATCAAGACGTTCAGGGCACTTGTTG
 GAGCCCCATTGACCCTTCCATCTACCTGAGCAAAACAGTCTCCAATGTCATTAATCCATTGTCTTCGG
 GAACCGCTTCGACTATGAGGACAAAGAGTTCTTGTCAGTGTGGAGATGATCGATGAAATGAATATATTT
 GCAGCCTCAGCCACAGGGCAGCTCTATGACATGTTCCATTCAGTGATGAAGTACCTGCCTGGACCACAGC
 AACAGATCATCAAGGTTACTCAGAACTGGAAGACTTCATGATAGAGAAAGTGAGGCAGAACCATAGTAC
 CCTGGACCCCAATTCCCCAAGGAACTTCATTGACTCCTTTCTCATCCGCATGCAAGAGGAGAAATATGTT
 AATTGAGAATCCACATGAACAACCTAGTGATGTCATCATTAGGCCTCCTCTTGTGGGACTGGGTGAG
 TCAGCTCCACGCTATACCATGGTTTCTGCTACTCATGAAGCATCCAGATGTGGAAGCCAAGGTCCATGA
 GGAAATTGAGCGAGTGATCGGCAGGAACCGACAGCCTCAGTATGAGGACCACATGAAGATGCCCTACACC
 CAGGCTGTGATCAATGAGATCCAAAGATTTCTAACTTGGCTCCCTTGGGCATTCTCGAAGGATTATCA
 AGAACACAACCTCCGTGGCTTCTTCTCCCAAGGGCACCGATGATTCCCTATAATAGTTCTCTGAT
 GACAGAACCAAAAGTTCTTCCCTAACCAAAAGACTTCAACCCCCAGCACTTCTGGATGACAAGGGACAG
 TTGAAGAAGAATGCTGCATTTCTCCCTTTTCCATTGGAAGCGATTCTGCTTGGGAGATAGCCTGGCTA
 AAATGGAGCTCTTCTGCTGCTCACCACCATCTTGCAGAACTTCCGTTTTAAGTCCCAATGAATCTAGA
 AGACATCAACGAGTACCCAGTCCCATAGGGTTTACCAGGATCATACCAAATTACACCATGAGCTTCATG
 CCCAT**CTGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-MluI

ACCN: NM_012693

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:	<u>NM_012693.1, NP_036825.1</u>
RefSeq Size:	2259 bp
RefSeq ORF:	1479 bp
Locus ID:	24895
UniProt ID:	<u>P15149</u>
Cytogenetics:	1q21
Gene Summary:	hepatic steroid hydroxylase that is expressed exclusively in adult males; may play a role in drug metabolism [RGD, Feb 2006]