

Product datasheet for **RN213087**

Cyp2c23 (NM_031839) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cyp2c23 (NM_031839) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Cyp2c23
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >RN213087 representing NM_031839
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGC**C

ATGGAGCTGCTGGGATTCACTACGCTTGCTCTCGTGGTTTCGGTGACTTGCCCTCAGCCTCCTTTTCAGTGT
 GGACAAAACCTGCGCACTAGGGGGAGGCTGCCCCGGGGCCCAACCCCTTCCATTATTGGGAATCTACT
 GCAACTGAACCTCAAGGACATCCCTGCATCGCTTTCCAAGCTGGCCAAAGAGTACGGGCCTGTTTACACG
 CTGTACTTTGGAACCTCTCCTACTGTGGTCTACATGGCTATGATGTGGTGAAGGAGGCGCTTCTCCAGC
 AAGGGGATGAGTTCCTCGGGAGAGGACCTCTGCCATCATCGAAGATACCCATAAGGGATATGGACTCAT
 TTTTCAGTAATGGAGAGAGGTGAAAGTCATGCGACGCTTCTCCCTCATGACTCTGAGGAACCTCGGAATG
 GGAAGAGAAGCCTAGAGGAGAGGGTGCAGGAGGAAGCCCGGTGCCTTGTGGAGGAATTACAAAAACAA
 AAGCTCAGCCCTTGACCCACCTTCATCCTGGCCTGTGCTCCCTGCAACGTGATCTGCTCCATTCTTTT
 CAACGATCGATTCCAGTACAACAACAAGACGTTCTCAACCTTATGGATCTTTTAAATAAAATTTTCAA
 CAAGTGAACCTCCGTGTGGTGCCAGATGTACAACCTTTGGCCAACGATCATAAAGTATCTCCCTGGAAAGC
 ATATAGAATTTGCAAAAAGAATTGATGATGTTAAAAATTCATTCTTGAAAAAGTGAAGGAACACCAGAA
 GTCCCTGGATCCTGCCAACCTCGGGACTACATTGACTGTTTTCTCAGCAAGATTGAGGAGGAGAAGGAC
 AACCTGAAGTCTGAGTTCATCTGGAGAATTGGCTGTCTGTGGGTCTAACTTGTTCACGGCAGGCACCG
 AGACAACCAGCACCACCTGAGATTCGGGCTCCTGCTCCTTATGAAGTATCCAGAGGTGCAAGCCAAAGT
 TCATGAGGAACCTGACCGTGTGATTGGACGCCACCAACCCCCAGCATGAAGGACAAGATGAAGCTGCCT
 TATACCGATGCTGTATTGCATGAGATTCAAAGATACATCACTCTCCTTCCCTTCCAGTCTGCCCCATGCTG
 TGGTCCAGGACACAAAATTCAGAGACTATGTCATCCCCAAGGGTACTACTGTACTCCCGATGCTGTCTTC
 CGTCATGCTGGATCAAAAGGAGTTTGCCAACCCAGAGAAGTTTGATCCAGGACACTTTCTGGATAAAAAT
 GGCTGCTTCAAGAAGACAGACTACTTTGTTCCCTTCTCCCTTGGAAAGCGGGCCTGTGTTGGTGAGAGTT
 TGGCCCGGATGGAGCTCTTCTGTTCTTACCACCCTTCTGCAAAAGTTTCCCTGAAGACTCTGGTGGA
 GCCCAAGGACCTTGACATCAAGCCTATTACTACCGGGATTATCAATTGCCGCCACCTTACAAGCTGTGC
 CTTGTTCTAGAT**AA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul

ACCN: NM_031839

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:	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_031839.3, NP_114027.2</u>
RefSeq Size:	1954 bp
RefSeq ORF:	1485 bp
Locus ID:	83790
Cytogenetics:	1q54
Gene Summary:	catalyzes the NADPH-dependent conversion of arachidonic acid to a mixture of epoxyeicosatrienic acids in arachidonic acid metabolism [RGD, Feb 2006]