

Product datasheet for **MC216921**

Cyp2c54 (NM_206537) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cyp2c54 (NM_206537) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Cyp2c54
Synonyms:	EG404195
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC216921 representing NM_206537
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGC**C

ATGGATCCAATCCTGGTCTGGTCTCACTCTCTCTGTCTGTTCTCCTCTCACTCTGGAGACAGAGCT
 ATGAAAGAGGGAAGCTTCCCCCTGGCCCCACTCCTCTTCCAATTATTGGAAACATCCTTCAGATAGATGT
 GAAGGACATCTGCCAATCCTTCACCAATTATCAAGAGTTTATGGTCTGTGTATACTCTATATTTGGGC
 AGGAAGCCCACTGTGGTGTTCATGGATATGAGGCAGTGAAGGAAGCTCTGGTTGACCATGGGGATGTCT
 TTGCTGGAAGGGGAAGGCTCCAGTTTTTGATAAAGCTACTAATGGAATGGGCATTGGATTTAGTAATGG
 AAGTGTATGGAACACGAGGCACTTCTCACTCATGACTCTGCGGAATTTAGGCATGGGAAAAAGGAGC
 ATTGAGGACCGTGTCAAGAGGAAGCACGTTGCCTTGTGGAGGAAGTGGGAAACCAATGGCTCACCT
 GTGATCCACCTTCATCCTGGGCTGTGCTCCCTGCAATGTCATCTGCTCAATTATTTCCAGGATCGTTT
 TGATTATAAAGATCGGGATTTTCTAACTTGTGGAAAACTGGATGAAATATCCAAGATTCTGAGCACC
 CCTGGTTGCAGGTTTGAATACATTTCTGCTGCTGCTTATTGTCCAGGAAGTCATAACCAATTTT
 TAAAAATTATGCTTATATTAATAATTTCTTTTGGAGAAAAAAGGGAACATAAAGAATCATTGGATGT
 TACAATTCCTCGGGACTTTATTGATTATTTCTAATTAAGGAGCCCAGGAAGATGACAATCATCTTTG
 AAAAATAATTTTGAACACCTGGCAATAACAGTGACTGATCTTTTATTGGTGGGACAGAGTCAATGAGCA
 CAACACTGAGATATGCTCTCTACTCTCTATTGAAGTACCCACATGTCACAGCTAAAGTCCAGGAAGAAAT
 TGAGCATGTGATCGGCAAGCACCAGAACCATGCATGCAGGACAGGAGCCACATGCCCTATACAAATGCC
 ATGATTCATGAGGTCCAGAGATTCATTGACCTTGTCCCCAACCACTGCCCATGAAGTGACCTGTGACA
 TTAAATTCAGGAAGTCAATTCCTCAAGGGAACAACTGTAATAACATCACTGTATCAGTGTGCTGCTGA
 TAGCAAGGAGTTCCCAACCCAGAGAAGTTTGACCTGGGCACTTTCTAGATGAGAATGGAAAGTTTAAA
 AAAAGTGACTACTTCATGCCATTCTCAACAGGGAACGGATATGTGCAGGAGAGGGCCTGGCAGCATGG
 AGCTGTTCTGTTCTTAACAGCATTTTACAGAACTTCAACCTGAAACCTCTGGTTACCCAAAGGACAT
 AGATATAACCCAATGCTCATTGGATTGGGCTCAGTGCCTCCTGCTTCCAGCTCTGCTTCATTCCTTCC
 TGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_206537

Insert Size: 1473 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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_206537.2</u> , <u>NP_996260.1</u>
RefSeq Size:	1781 bp
RefSeq ORF:	1473 bp
Locus ID:	404195
UniProt ID:	<u>Q6XVG2</u>
Cytogenetics:	19 C3
Gene Summary:	Metabolizes arachidonic acid mainly to 12-hydroxyeicosatetraenoic acid (HETE). [UniProtKB/Swiss-Prot Function]