

Product datasheet for **RN207058**

Cyp51 (NM_012941) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cyp51 (NM_012941) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Cyp51
Synonyms:	Cyp51a1; RATCP14DM
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >RN207058 representing NM_012941
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGC**C

ATGGTACTGCTGGGCTTGCTGCAGTCAGGCGGCTCGGTGCTCGGCAGGCGATGGAGCAGGTGACAGGAG
 GCAACCTGCTTTCCACGCTGCTCATCGCCTGCGCCTTCACGCTTAGCCTTGTCTACCTGTTCCGCTCGC
 AGTGGGCCACATGGTCCAGCTGCCCGCTGGAGCGAAAAGTCCGCCATATATTTACTCTCCAATTCGGTTC
 CTTGGCCACGCGATAGCATTTGGGAAAAGTCCAATTGAGTTCTGGAAAATGCATATGAGAAGTACGGAC
 CTGTGTTTAGCTTTACCATGGTGGGCAAGACTTTCACTTACCTTTTGGGAGTGACGCAGCCGCCCTGCT
 CTTCAACAGTAAGAACGAAGACCTGAATGCGGAAGAGGTCTACGGTGGCTGACAACGCCGTGTTTGGG
 AAGGGAGTTGCATACGACGTGCCAATGCAGTTTTCTGGAACAGAAGAAAATACTAAAAAGCGGCCTTA
 ACATAGCCCACTTCAAGCAGTATGTTTCTATCATTGAAAAAGAAGCGAAGGAGTACTTTAAAGTTGGGG
 AGAAAGCGGAGAAAGAAATGTGTTTGAAGCGCTGTCTGAGCTCATAATTTTAACAGCTAGCCATTGCTTA
 CATGGAAGGAAATTAGAAGTCAGCTCAACGAGAAGGTGGCTCAGCTGTACGCAGACCTGGATGGAGGCT
 TTAGCCATGCCGCTGGCTGTTGCCAGGCTGGCTGCCCTGCCGAGTTTACGGCGCAGGGACAGAGCCCA
 TCGAGAGATCAAGAAATTTTCTACAAGGCCATCCAGAAACGTAGGCTGTCAAAAGAACCAGCCGAGGAC
 ATTCTTCAAACCTTACTGGATTCTACATACAAGGATGGGCGTCTCTGACGGACGACGAGATCGCAGGGA
 TGCTCATCGGACTGCTGCTGGCCGACAGCACACATCCTCCACCACAGTGCCTGGATGGGCTTCTTCT
 GGCCAGAGATAAACCCTTCAAGACAAATGCTACTTAGAACAGAAAACGGTGTGCGGGGAGGATCTGCCT
 CCCTTAACCTATGAGCAGTTGAAGGATCTGAATTTACTTGATAGATGCATAAAAGAAACACTAAGACTGA
 GGCTCCTATAATGACCATGATGAGAATGGCCAAGACCCCTCAGACTGTGGCTGGGTACACCATTCCTCC
 AGGACATCAGGTGTGTGTTTCTCCAAGTCAATCAAAGACTGAAAGACTCCTGGGTAGAACGCTTGGAC
 TTCAATCTGACCGCTACCTACAGGACAACCCAGCGTCGGGAGAGAAGTTTGCCTATGTGCCGTTTGGAG
 CCGGGCGCCATCGTTGTATTGGAGAAAATTTGCCTATGTTCAAATTAAGACAATTTGGTCCACTATGCT
 TCGTTTATATGAATTTGACCTCATCAATGGATATTTCCAGTGTGAATTATACAACAATGATTCATACC
 CCAGAAAACCCAGTAATCCGTTACAAACGAAGATCAAA**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_012941

Insert Size: 1512 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_012941.2, NP_037073.1</u>
RefSeq Size:	3046 bp
RefSeq ORF:	1512 bp
Locus ID:	25427
UniProt ID:	<u>Q64654</u>
Cytogenetics:	4q13
Gene Summary:	gene amplification is detected in some endometrial carcinomas [RGD, Feb 2006]