

Product datasheet for **RN213147**

Cyp2e1 (NM_031543) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cyp2e1 (NM_031543) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Cyp2e1
Synonyms:	Cyp2e
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >RN213147 representing NM_031543
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCGGTTCTTGGCATCACCATTGCCTTGCTGGTGTGGGTGGCCACCCTCCTCGTCATATCCATCTGGA
 AGAAGATCTATAACAGTTGGAACCTGCCCCAGGACCTTCCCTCTCCATCCTTGGAACATTTTCA
 GCTGGATTGAAGGATATCCCCAAGTCTTTCACCAAGTTGGCAAAGCGCTTCGGGCCAGTGTTCACACTG
 CACCTTGGCTCAAGGCGCATCGTGGTCTGCATGGCTACAAGGCTGTCAAGGAGGTGCTACTGAACCACA
 AGAATGAGTTTTCTGGACGGGGGACATTCCTGTGTTCCAGGAGTACAAGAACAAGGGGATTATTTTCAA
 TAATGGGCCACATGGAAGGATGTGCGGAGTTTTCCCTAAGCATTCTCCGAGACTGGGGAATGGGGAAA
 CAGGTAATGAGGCCCGCATCAAAGGGAGGCGCAATTCCTGGTGGAGGAGCTCAAAAAGACCAAAGGCC
 AGCCTTTTGACCCACATTTCTGATTGGCTGCGCACCTGCAATGTCATTGCGGATATCCTCTTCAACAA
 ACGTTTTGACTACAATGACAAGAAGTGTCTGAGGCTCATGAGTTTGTTCATGAAAACCTTCTACCTGCTG
 AGCACCCCTGGATCCAGCTTTACAATAACTTTGCGGATTATCTACGATACCTACCTGGAAGCCATAGAA
 AAATCATGAAAAATGTGTCTGAAATAAAACAGTACACACTTGAAAAAGCCAAGGAACACCTTCAGTCACT
 GGACATCAACTGCGCCCGGATGTGACTGACTGTCTCCTCATAGAGATGGAGAAGGAAAAACACAGCCAA
 GAACCCATGTACACAATGGAAAAATGTTTCTGTGACTTTGGCCGACCTGTTCTTTGCAGGAACTGAGACCA
 CCAGCACAACTCTGAGATATGGGCTCCTGATCCTCATGAAATACCCAGAAATGAAGAGAACTTCATGA
 AGAAATGACAGGGTTATTGGGCCAAGCCGCTCCCTGCTGTGAGAGACAGACTGGATATGCCCTACATG
 GATGCTGTGGTGCATGAGATCCAGAGATTCATCAATCTTGTCCCTTCCAACCTACCCCATGAAGCAACCA
 GAGATACTGTGTTCCAAGGATATGTCATCCCCAAGGGTACAGTTGTGATTCCAACCTGGACTCCCTCTT
 ATATGACAGCCATGAGTTTCCAGATCCAGAGAAGTTTAAACCTGAGCATTTCCTGAATGAAAATGGGAAG
 TTCAAGTACAGTACTATTTCAAGGCATTTTCTGCAGGAAAGCGTGTGTGTTGGAGAAGCCTGGCCC
 GCATGGAATTGTTTCTGCTCCTGTCTGCTATTCTGCAGCATTTTAACTGAACTCTGTTGACCCATA
 GGATATCGACCTCAGTCTGTCACAGTTGGCTTTGGCAGTATCCCACCCCAATTTAACTCTGTGTCATT
 CCCC**GTTCATGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_031543
- Insert Size:** 1482 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: [NM_031543.1](#), [NP_113731.1](#)

RefSeq Size: 1624 bp

RefSeq ORF: 1482 bp

Locus ID: 25086

UniProt ID: [P05182](#)

Cytogenetics: 1q41

Gene Summary: facilitates hepatocyte sensitization to tumor necrosis factor-alpha (TNF-alpha)-mediated cell death; may play a role in xenobiotic metabolism [RGD, Feb 2006]