

Product datasheet for **MC216998**

Cyp3a25 (NM_019792) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cyp3a25 (NM_019792) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Cyp3a25
Synonyms:	A1327008
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC216998 representing NM_019792
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGAGCTCATCCCCAACCTTTCTATAGAAACCTGGGTGCTGCTGTTACTAGCCTGGTGTCTTTCTACA
 TATATGGACCTATTCTCATGGCTTGTTAAGAAACTAGGAATTCCTGGACCAAAACCTCTACCGTTACT
 TGGCACCATTTTCAACTACTATGATGGCATGTGAAATTTGATGAAGATTGCTATAAAAAAGTATGGGAAA
 ATATGGGGTTTTATGAGGGCCACAGCCTATATTGGCTATCATGGATCCAGAGATCATCAAGATTGTGC
 TGGTGAAGAATGTTACTCAGTCTTACAAACCGTCGGTTTTTTGGGCCAGTGGGATTATGAAAAAGGC
 CATTACCATATCTGAGGATGAAGAATGGAAGAGACTTAGAACACTCCTGTCTCCAACCTTACCAGTGGC
 AAACCAAGGAGATGTTCCCATCATGAGACAGTATGGAGATATTTGGTGAAGAACTTGAGACGAGAAG
 AAGAGAAAGGGAGCCCATCAGTATGAAAGACATCTTTGGAGCTTATAGCATGGATGTGACTGTCAC
 ATCATTTGGCGTGAACGTCGATTCCCTCAATAATCCACAGGATCCCTTTGTGCAGAAAGCCAAGAAGATC
 TAAAAATTTAAAAATTTTGGATCCATTTCTGTCTATAATTCTGTTTCCATTTCTACTCCAATATATG
 AGATGTTAAACTTTTCCATTTTCCAAGAGATTCAATGAACCTTTTCAAAAAATTTGAAAAAGGATGAA
 GAAAGAACGCCTTGCTTCAAACCAAGAAACCGAGTGGATTTTCTACAACCTGATGATGAATACTCAGAAC
 TCCAAAGGCCAAGAGTCACAGAAAGCTCTTTCTGATCTAGAAATGGCAGCACAAGCTGTTATTTTATCT
 TCGGGGGCTATGATGCCACAAGCACTTCCATTTCCCTCATAATGTATGAACCTGGCCACTCACCTGATGT
 GCAAAAAAACTTCAAGATGAGATTGACAGAATCTGCCCAATAAGGCACCTGTACCTATGACGCCCTG
 ATGGACATGGAGTACCTGGACATGGTGGTGAATGAAAGTCAAGATTGTACCCAATTGCTATCAGGCTAG
 AAAGGGTCTCAAAAAAGATGTGAAATCAATGGAGTTCATTCCCAAGGGACCGTAGTTATGATACC
 AATCTATCTCTTCCACCGAAATCCTGAGTACTGGCCAGAGCCTCAGGAATTCGCCCTGAAAGGTTGAGC
 AAGGAGACAAGGCCAATTGATCCATATATACATGCCCTTTGAAATGGACCCAGGAACTGCATAG
 GCATGAGGTTTGTCTCATCAGCATCAAACCTGCTGTCATAGGAGTCTGCAGAACTTACTGTCCAGCC
 TTGTGAAGAGACACAGATCCCCCTGAAGATCAGCAGGGAACCAATTTTCCAACCAAGAAAAACCCATCATC
 CTAAGGTTGTGTCAAGAGATAAACCAGAACTGGATCA**TGA**

ACGGCTACGGCGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_019792

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: [NM_019792.2](#), [NP_062766.2](#)

RefSeq Size: 2002 bp

RefSeq ORF: 1512 bp

Locus ID: 56388

UniProt ID: [O09158](#)

Cytogenetics: 5 85.17 cM

Gene Summary: Cytochromes P450 are a group of heme-thiolate monooxygenases. In liver microsomes, this enzyme is involved in an NADPH-dependent electron transport pathway. It oxidizes a variety of structurally unrelated compounds, including steroids, fatty acids, and xenobiotics.

[UniProtKB/Swiss-Prot Function]

Transcript Variant: This variant (1) encodes a functional protein.