

## Product datasheet for **RN200165**

### **Fmo4 (NM\_144561) Rat Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Fmo4 (NM_144561) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Fmo4
Synonyms:	MGC93155
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >RN200165 representing NM\_144561  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGGCCAAGAAAGTGGCAGTGATTGGAGCTGGAGTGGCTGTCTCAATCAAGTGGCTGCTGGACG  
 AGAACCTGGAGCCTACCTGTTTTGAGAGGAGTAGTGACTTCGGCGGACTGTGGAAGTTTGCCTGAAGCATC  
 TGAGGATGGAATGACCAGGGTTTACAGGTCAGTACAAATGTCTGCAAGGAAATGTCATGTTACAGT  
 GACTTCCCATTCCACGAAGATTACCCCAATTTTCATGAGCCATGAGAAATCTGGGACTATCTCAGAGAAT  
 TTGCTGAGCACTTCGGCCTCCTGAAATATATTCGGTTTAAAGTACTGTGCGGAGTGTAACTAAGCGTCC  
 AGACTTCTCTGAAACTGGCCAATGGGAAGTTGTACAGAGACAGAGGGCAAACAGGACAGAGCTGTATTT  
 GATGCTGTTATGGTTTGCAGTGGCAATTCCTGAGCCACGTTTACCTCTGGAGTCTTCCCTGGAATCC  
 ATAAGTTTAAAGGACAGATCCTACACAGCCAAGAGTACAGGATCCAGATGCCTTTCGGGGCAAGCGCAT  
 CCTGGTGGTTGGTCTTGGAAACTGGCGGGGATGTCGAGTGGAGCTCAGTGAATAGCAGCACAGGTG  
 TTTCTCAGCACTAGGACTGGTGCCTGGTTTCGAGCCGCTCCTCAGTTGGTGGCTACCCTTTGAATATGA  
 TGACAGACAAGATGGCGCAACTTCTCGCACGAGTTCTGCCCTCCCGCTTTGTAAGCTGGAATCAAGAGAG  
 GCAAAATGAATAAAATATTTAACCATGAGAACTATGGATTAAGCATTGCAAAAAGGGAAAAACCAAAATTT  
 ATTGTGAATGATGAACTACCAACTTGTATCCTCTGTGGGAAAAACCATGAAAACAGCGTGAAGGATT  
 TTACAGAACTCCTATCGTCTTTGAAGATGGGACAATAGAAGCCAACATTGATGTAGTGATCTTCACTAC  
 AGGATATGAATTTTCTTTCCCTTTTTGAAGAGCCTCTCAAAGCCTTTCACAAAGAAGGTCATACTA  
 TACAAGCGAGTGTTCCTCCAAATTTGGAGAGATCAACATTAGCCATCATTGGCCTGATCAGCCTTACTG  
 GGTCATCTTAGTGGGCACAGAGTTCCAAGCACGGTGGGCCACGAGAGTATTCAAAGGGCTGTGAATAT  
 ACCTCCATCTCAGAAACTGATGGCCGAAGCCATTAAGGAAGAGCTCATTAAAGGGGTGTGATTA  
 GATACCAGCCAAGACAACTCGACTTCATTTCTACATGGATGAGCTCACTCAGTGCATAGGCGCGAAGC  
 CCAATATCCACTTCTGTTCTTAAGGACCCAAGATTGGCGTGGGAAGTTTTCTTTGGACCATGTACCCC  
 TTACCAATATCGCTAATGGCCCTGGAAGATGGGACGGAGCCAGAAATGCCATCCTGACCCAGTGGGAC  
 AGGACTGTGAAACCACTAAAGACTCGAACTGTTCTTAAGTCCCAGGAGCCTGCCTCCCTCTCACGTTACT  
 TAAAAACTTGGGGGCACCTGCTCTGATTGTCTCTTTTACTTATCTACAAGTCTTCACTGTTTCTTGA  
 ACTGGTCAAAGTAAGCTGCAAGGAAGTTTTCCCTTCCCGAATACTGTGTACATCCCCAGAAGTCA  
 TGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM\_144561
- Insert Size:** 1683 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\\_144561.2](#), [NP\\_653147.1](#)

**RefSeq Size:** 2307 bp

**RefSeq ORF:** 1683 bp

**Locus ID:** 246247

**UniProt ID:** [Q8K4B7](#)

**Cytogenetics:** 13q22

**Gene Summary:** This protein is involved in the oxidative metabolism of a variety of xenobiotics such as drugs and pesticides.[UniProtKB/Swiss-Prot Function]