

## Product datasheet for **RN202728**

### **Fmo3 (NM\_053433) Rat Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Fmo3 (NM_053433) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Fmo3
Synonyms:	MGC93304
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >RN202728 representing NM\_053433  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGAAGAGGAAAGTGCCGTCATTGGGGCTGGTGTGTCAGTGGTCTGGCTGCCATCAGGAGCTGTCTGGAAG  
 AGGGACTGGAGCCACGTGCTTTGAGAGGAGTGATGATGTTGGGGCCTGTGAAAATTTTCAGACCACAC  
 AGAAGAGGGCAGGGCCAGCATTTACCAATCGGTCTTCACCAACTCTTCCAAAGAAATGATGTGTTCCCA  
 GACTTCCCTATCCCGATGACTTTCCTAACTTCATGCATAACAGCAAGCTCCAAGAATATACACTTCAT  
 TTGCCACAGAAAAGAACCTTCTAAAATACATACAGTTTGAGACACTTGTAAACCAGAATCAATAAATGTCC  
 TGATTTCTCAACCACTGGCAAATGGGAAGTTACCACTGAAAAGAACAGTAAAAGGAAACAGCTGTCTTT  
 GATGCTGTAATGATTTGTTCTGGGCACCATGTATATCCCATCTACCAAAGACTCCTTCCAGGTCTGA  
 ACCGTTTCAAAGGCAAATGCTTCCACAGCAGGGACTATAAGGAGCCAGGAACATGGAAAGGAAAACGAGT  
 CCTGGTGATTGGCTGGGAACTCAGGTTGTGACATCGCTGCGGAACTCAGTCACGTGGCTCAGCAGGTC  
 ATCATAAGCTCCAGAAGTGGTCTTGGGTGATGAGCCGGTCTGGAATGATGGCTACCCTGGGACATGG  
 TGGTGATCACACGATTTCAAACATTTCTCAAGAACAACCTACCCACAGCCATTTCTGACTGGTGGTATAT  
 GAAGCAGATGAACGCAAGATTCAAGCATGAAAACCTACGGGTTGATGCCTTTAAATGGAACACTCAGGAAG  
 GAGCCTGTGTTCAATGATGAGCTTCCAGCCCGCATCCTGTGTGGCACTGTGTCCATCAAGCCTAATGTGA  
 AGGAGTTCACAGAGACCTCCGCTGTGTTTCGAGGATGGGACTGTGTTTGAGGGCATTGACTGTGCATCTT  
 CGCCACAGGCTATGGTTATGCCTACCCCTTCTGGATGACAGCATCATCAAAGCAGAAAATAGAGGTC  
 ACCTTGACAAAGGCATCTTCCCTCCTCAACTAGAGAAACCAACCATGGCAGTGATTGGCCTTGCCAGT  
 CCCTGGTGCTGCCATCCCACAACCGACCTGCAGGCACGCTGGGCAGCACAAGTAATAAGAGAACTTG  
 CATTTTGCTTCTGTAACGACATGATGGATGATATTGACGAGAAAATGGGGAAGAAGCTTAAATGGTTT  
 GGCAACAGCACACCATTGACAGATTACATTGTTTATATGGATGAATTGGCCTCCTTCATCGGAGCAA  
 AGCCCAATATCCTATGGCTGTTTCTCAAGGACCCAGGTTGGCCATAGAAGTGTCTTTGGCCCTTGACG  
 CCCCTACCAGTTCGGCTGGTAGGCCAGGGAAGTGGTCAGGAGCCAGGAACGCCATCTAACCCAGTGG  
 GACCGGTCACTGAAGCCTATGAAGACCCGTGACGTGGTGGTATTCAGAAACCTTGCTTGTATTCCATT  
 TTCTCAGGCTCCTGGCTGTTCCAGTGCTCATTGCTTTGTTCTTGTGTTGAT**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** Sgfl-Mlul

**ACCN:** NM\_053433

**Insert Size:** 1596 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\\_053433.2](#), [NP\\_445885.2](#)

**RefSeq Size:** 1916 bp

**RefSeq ORF:** 1596 bp

**Locus ID:** 84493

**UniProt ID:** [Q9EQ76](#)

**Cytogenetics:** 13q22

**Gene Summary:** responsible for methimazole S-oxidation and NADPH oxidation [RGD, Feb 2006]