

Product datasheet for **RN200164**

Fmo4 (NM_144562) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Fmo4 (NM_144562) 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: >RN200164 representing NM_144562
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCCAAGAAAGTGGCAGTGATTGGAGCTGGAGTGGCTGTCTCAATCAAGTGCTGCTGGACG
 AGAACCTGGAGCCTACCTGTTTTGAGAGGAGTAGTGACTTCGGCGGACTGTGGAAGTTTGCTACTACTGT
 GCGGAGTGTAAGCGTCCAGACTTCTCTGAACTGGCCAATGGGAAGTTGTACAGAGACAGAGGGC
 AAACAGGACAGAGCTGTATTTGATGCTGTATGGTTTGCCTGGCAATCCTGAGCCCAGCTTTACCTC
 TGGAGTCTTCCCTGGAATCCATAAGTTTAAAGGACAGATCCTACACAGCCAAGAGTACAGGATTCCAGA
 TGCCTTTCGGGGCAAGCGCATCCTGGTGGTTGGTCTTGGAACTGGCGGGGATGTCGAGTGGAGCTC
 AGTGAATAGCAGCACAGGTGTTTCTCAGCACTAGGACTGGTGCCTGGGTTTCGACGCGCTCCTCAGTTG
 GTGGCTACCTTTGAATATGATGCAGACAAGATGGCGCAACTTCTCGCAGAGTTCTGCCCTCCGCTT
 TGTAAGCTGGAATCAAGAGAGGCAAATGAATAAAATATTTAACCATGAGAATATGGATTAAGCATTGCA
 AAAGGGAAAAACCAAAATTTATTGTGAATGATGAACTACCAACTTGATCCTCTGTGGGAAAATACCA
 TGAACCAAGCGTGAAGGATTTACAGAATCCTCTATCGTCTTTGAAGATGGGACAAATAGAGCCAAAT
 TGATGTAGTGATCTTCACTACAGGATATGAATTTTCTTTCCCTTTTGAAGAGCCTCTCAAAGCCTT
 TGCACAAAGAAGGTCATACTATAACAAGCGAGTGTTCCTCCCAAAATTTGGAGAGATCAACATTAGCCATCA
 TTGGCCTGATCAGCCTTACTGGGTCTATCTTAGTGGGCACAGAGTTCCAAGCACGGTGGGCCACGAGAGT
 ATCAAAGGGCTCTGTAATATACCTCCATCTCAGAACTGATGGCCGAAGCCATTAAGGAAGAGCTC
 ATTAAGGGGTGTGATTAAGATACCAGCAAGCAAACTCGACTTCATTTCTACATGGATGAGTCA
 CTCAGTGCATAGGCGCAAGCCCAATATCCACTTCTGTTCTTAAGGACCAAGATTGGCGTGGGAAGT
 TTTCTTTGGACCATGTACCCCTTACCAATATCGCCTAATGGGCCCTGGAAGATGGGACGGAGCCAGAAAT
 GCCATCCTGACCCAGTGGGACAGGACTGTGAAACCACTAAAGACTCGAACTGTTCTTAAGTCCCAGGAGC
 CTGCCCTCCTCACGTTACTTAAAACTTGGGGGCACCTGTCTGATTGTCTCTCTTTTACTTATCTA
 CAAGTCTTCACTGTTTCTTGAAGTGGTCAAGTAAGCTGCAAGGAAGTTTTCCCTTCCCGAATACTG
 TGGTACATCCCCAGAACTCATGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-MluI

ACCN: NM_144562

Insert Size: 1494 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_144562.1](#), [NP_653148.1](#)

RefSeq Size: 1640 bp

RefSeq ORF: 1494 bp

Locus ID: 246247

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]