

## Product datasheet for **RN214508**

### Fmo5 (NM\_144739) Rat Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Fmo5 (NM_144739) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Fmo5
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >RN214508 representing NM\_144739  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGCCAAGAAAAGGATCGCTGTAATTGGATCAGGAGCCAGCGGGCTCACCTGCATCAAGTCTGCCTAG  
 AAGAGGGTTTGGAACTGTCTGCTTTGAAAGGTCTGATGACATCGGAGGACTGTGGAGGTACCAGGAAAA  
 CCCTGAGAAAGGAAGGGCCAGTATTTATAAGTCTGTGATCATCAACACTTCCAAGGAGATGATGTGTTTC  
 AGTGACTACCCTATTCCAGATCATTACCCTAACCTCATGCACAACCTCCAGGTCCTGGAGTATTTTCAGGA  
 TGTACGCCAAAGAGTTTGGCCTTCTCAAATATATCCAATTCAAGACCACAGTGTGCAGCGTGAAGAAGCA  
 GCCTGATTTCTCTACCTCAGGCCAGTGGCAAGTGGTCACTGAGCATGAAGGAAACAGCAGGTAGACGTC  
 TTCGATGGAGTCTGGTTTGCACAGGTCATCACACGGACCCTCACCTGCCCTGGACAGCTTTCTGGAA  
 TTGAAAAGTTCAAAGGAAAGTACTTCCACAGTCGAGAATAAAGAACCAGTGAATTTACCGGGAAAAG  
 GGTCAATTGTCATTGGCATTGGGAATTCTGGAGGAGATCTGGCTGTAGAGATCAGCCACACAGCCAAGCAG  
 GTGTTCCCTCAGTACCAGGAGAGGAGCTTGATCTTGAACCGCGTAGGGAAACGTGGATATCCTATTGATA  
 TTCTGCTTTCTTCTCGAATTACCAACTATCTGTCAAAGATCTGTGGCTCAGCCCTGAAAAACAGATATAT  
 GAAAAACAGTTGAACCAAAGGTTTGATCATGAAATGTTTGGCCTGAAGCCTAAGCACAGTGCTCTGGGT  
 CAGCATCCAACGATAAACGATGACCTGCCCAATCGTATCATTTCTGGCTTGGTGAAGGTGAAAGGCAATG  
 TGAAGGAATTCACAGAGACGGCCGCATATTTGAAGATGGCTCCAGGGAGGATGACATTGATGTGGTCAT  
 CTTTGGCAGGCTACAGCTTTGCCCTTCTCTTTCTTGGAGACTCTGTCAAAGTAGTCCAAAACAAGGTC  
 TCCTTGATAAAAAAGGCTTTCCCCCTAACCTCCAAGGACGCTGGGCCACTCAGGTGTTCAAAGGGCTAAA  
 CCTTGGGAGCCATTATGCCTATTTTCAGAGCTCCAAGGACGCTGGGCCACTCAGGTGTTCAAAGGGCTAAA  
 GAAATTGCCCTCCCAAAGTGAAATGATGGCAGAAATAAATAAGACTCGAGAGGAAATGGCAAAAAGGTAT  
 GTGGACAGCCAGCGTCATACCATCCAGGGAGACTATATAGACACCATGGAAGAGATTGCAGATTTGGTGG  
 GTGTCAGGCCCAATCTCCTGTCTCTGGCCTTACCAGCCCTAAGCTGGCATTCCAGTTACTGTAGGACC  
 CTGTACTCCGGTCCAGTATCGTCTACAGGGCCCGGGAAGTGGGCTGGAGCCGAAAAACTATTCTCACC  
 ACAGAAGATCGTATACGAAAGCCTCTGATGACAAGAGTGGTGGAAAGGGACAGCTCTGGGACGTCAGTGG  
 TGACTGTGCGTCTCTCATGCTGGCTGTCACCTTCTGGCTGTCATCCTGGCTTATTTTAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-Mlul
- ACCN:** NM\_144739
- Insert Size:** 1602 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\\_144739.1](#), [NP\\_653340.1](#)

**RefSeq Size:** 2706 bp

**RefSeq ORF:** 1602 bp

**Locus ID:** 246248

**UniProt ID:** [Q8K4C0](#)

**Cytogenetics:** 2q34

**Gene Summary:** In contrast with other forms of FMO it does not seem to be a drug-metabolizing enzyme.  
[UniProtKB/Swiss-Prot Function]