

Product datasheet for **MC217563**

Fmo5 (NM_010232) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Fmo5 (NM_010232) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Fmo5
Synonyms:	5033418D19Rik; AI195026
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC217563 representing NM_010232
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCCAAAAAAGGATTGCTGTAATTGGAGCAGGAGCTAGCGGGCTCACCTGCATCAAGTCTGCCTGG
 AAGAGGGCTTGGAACTGTCTGCTTTGAAAGGTCTGGTGACATCGGAGGACTGTGGAGATTCCAGGAAGC
 CCCTGAGGAAGGCAGGGCCAGTATTTACCAGTCCGTGGTCATCAACACCTCCAAGGAAATGATGTGTTTC
 AGTGACTACCCCATCCAGATCATTACCCTAACTACATGCACAACCTCCAGGTCTAGAGTATTTTCAGGA
 TGTATGCCAAAGAATTTGACCTTCTCAAATATATCCAATTCAGACTACAGTGTGCAGCGTGAAGAAGCA
 GCCTGATTTCTCTACCTCGGGCCAATGGCAGGTGGTCACTGAGTGTGAAGGAAACAGCAGGTAGACGTC
 TTCGATGGAGTCTGGTGTGCACGGGTATCACACGGATGCTCACCTGCCCTGGAAAGCTTTCTGGAA
 TTGAAAAGTTCAAAGGAAAGTACTTTACAGCCGAGACTATAAGAACCCAGTGAATTCACCGGGAAGAG
 GGTCAATTGTAATTGGCATTGGGAATTCAGAGGGGATCTGGCTGTAGAGATTAGCCACACAGCCAAGCAG
 GTATTCCTCAGTACCAGGAGAGGAGCTTGATCTTGAACCGTGTAGGCAAGCATGGATATCTATTGACC
 TGCTACTCTCTTCTCGGATTATGTACTACTTGTACGATCTGTGGTCCATCACTAAAAACAACACTATAT
 GGAAAAACAGATGAACCAAAGGTTTGATCATGAAATGTTTGGCCTGAAACCTAAACACAGGGCTCTGAGT
 CAGCATCCAACAGTGAATGATGACCTGCCCAATCGTATCATTGCTGGCTTGGTGAAGGTGAAAGGAAATG
 TGAAGGAATTCACAGAGACAGCCGCCGATTTGAGGATGGCTCCAGGGAGGATGGCATTGATGTGGTCAT
 CTTTGGCAGGGTACAGCTTTGCCTTTCTTTCTTGGAGACTCTGTCAAAGTAGTAAAAACAAGGTG
 TCCTTGTACAAAAAGGTCTTTCCACCTAACCTGGAAAAACCAACTTGAATCATCGGCTTAATTCAGC
 CCTTGGGAGCCATTATGCCCAATTCAGAGCTCCAAGGACGCTGGGCCACTCAAGTGTTCAAAGGGCTAAA
 GAAATTGCCCTCACAAAGTGAAATGATGGCAGAAATAAATAAGGCTCGAGAGGAAATGGCAAAAAGGTAT
 GTGGACAGCCAGCGTCATACCATCCAGGGAGACTATATAGACACCATGGAAGAGATTGCAGATTTAGTGG
 GTGTCAGGCCCAATATCCTGCCTCTGGTCTTCACTGACCCAGGCTGGCATTACGGTTACTACTGGGGCC
 CTGTACTCCAGTCCAGTATCGCCTACAGGGCCCTGGAAAGTGGGCTGGAGCCCGAAAACTATTCTCACC
 ACGGAAGATCGTGTTCGGAAGCCTCTGATGACAAGAGTGGTGGAAAGAGACAGCTCTGGGGGTCACTGG
 TGACAGTGCCTCATGCTGGCTGTGCTTTCTTTGCTGTCATCCTGGCTTATTTTAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul

ACCN: NM_010232

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_010232.4](#), [NP_034362.2](#)

RefSeq Size: 5186 bp

RefSeq ORF: 1602 bp

Locus ID: 14263

UniProt ID: [P97872](#)

Cytogenetics: 3 F2.2

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

Transcript Variant: This variant (3) differs in the 5' UTR compared to variant 1. Variants 1, 2 and 3 encode the same protein. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.