

Product datasheet for **RN204302**

Fmo2 (NM_144737) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Fmo2 (NM_144737) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Fmo2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN204302 representing NM_144737
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGTGAAGAAGTTGCCGTGATTGGAGCAGGGTTCAGTGGCCTGATCTCTCTAAAGTGCTGCTGGACG
 AGGGTCTGGAGCCACCTGCTTTGAAAGGACTGAGGATATCGGAGGACTGTGGAGTTCAAAGAAAACGT
 GGAAGATGGCCGAGCCAGCATCTACCACTCTGTATCACCACACTAGCAAAGAAATGCTCTGCTTCAGT
 GACTTCCCAATGCCGGAGGATTTCCCAACTTCCTGCACAACCTCTAAACTCCTGGAATACTTCAGGATCT
 TTGCCAAGAAATTTGATCTCCTAAAATATATTCAGTTTCAGACAACCGTCATTAGTGTGAAGAAACGCC
 AGATTTCCGATCTTCTGGGCAGTGGGACGTGTATGTTAGAGCAATGGCAAGGAGCAGCGTGTCTTT
 GACGCCGTTATGGTCTGCAGCGCCATCACATCCAGCCACCTGCCACTCAAGTCGTTCCAGGTATCG
 AGAGTTCCAAGCCAGTATTTCCATAGCCGCAATACAAGCACCCAGTGGGGTATGAGGGGAAACGCAT
 CCTAGTGGTTGGAATAGGAACTCCGCCGAGACATTGCCTCTGAACTGAGTAAGAGGGCCGCGCAGGTG
 TTTGTCAGCACCAGACATGGTTCCTGGGTATTGAGCCGAATCTCTGAAGATGGCTACCCTTGGGACATGG
 TGTCCACACTAGATTTAGCTCCATGCTCCGGAATGCTCTGCCCGCACGGTTCGTAAGTGGATGATGGA
 ACGACAGATGAATCGATGGTTCAACCATGAGAATTACGGCCTGGTGCCTCAGAACAATACTTTATGAAA
 GAACCTGTATTAACGACGACCTCCCCAGCCGCTGCTGTACGGAGCCATCAAAGTAAAAACACGGGTAA
 AGGAGCTCACGGAGACAGCTGTGGTCTTCGAGGATGGCACGGTGGAGGAAGACGTGGATGTCATTGTCTT
 TGCCACAGGGTACGTTCTCTTTCTTTCTTCTGGAAGACTCGCTTGTAAAGTAGAGGATAATAAGGTC
 TCGTGTACAAAGCCATGTTCCCCCTCACCTGGAGAAGCCAACCCTTGGTGCATAGGTCATCCAGC
 CTCTGGCTCCATCTTCCCAACCGTAGAGCTTCAGGCGCGTGGGCGACAAGATTTTCAAAGCGTGTG
 TCGCTTGCCTTCGGAGACGACGATGATGGCAGACATTGCTGAAAGAAATGAGAAAAGAATTGACCTGTTT
 GGAAAAAGCCAGAGCCAGATTCTGCAGACCAATTACATTGATTACCTGGATGAACTCGCCTTGGAGATAG
 GTGCGAAGCCGGACTTCTCTCTCTCTTTTCAAAGACCCTAACTGGCTGTGAAACTCTACTTCGGACC
 CTGCAATTCTACCAGTACCGCCTAGTTGGACCTGGGAGTGGGAAGGAGCCAGGAATGCCATCCTCACC
 CAGAAGCAGCGGATCCTGAAGCCGTTAAAGACTCGCACTCTCCAGACCTCAGCTAGTCCCCAGTGTCTT
 TCCTGATTAAGGTCCTGGGGCTGCTTGTATTGTTCTGGCCTTCTTTTCAAGCTTCATGGGTTCTAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-Mlul
- ACCN:** NM_144737
- Insert Size:** 1608 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_144737.2](#), [NP_653338.2](#)

RefSeq Size: 2040 bp

RefSeq ORF: 1608 bp

Locus ID: 246245

UniProt ID: [Q6IRI9](#)

Cytogenetics: 13q22

Gene Summary: encodes a catalytically inactive; truncated protein [RGD, Feb 2006]