

Product datasheet for **RN212975**

Fmo1 (NM_012792) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Fmo1 (NM_012792) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Fmo1
Synonyms:	RFMO1A
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN212975 representing NM_012792
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGTGAAGCAGTTGCAATTGTGGGAGCTGGGGTCACTGGCCTGGCCTCCATCAAGTGCTGCCTGGAAG
 AAGGACTAGAACCCACCTGCTTCGAGAGAAGCTGTGACTTGGGAGGACTTTGGAGATTCACGGAACATGT
 TGAAGAAGGAAGAGCCAGCCTTTACAACCTCAGTGGTTTCTAACAGCAGCAAGGAGATGTCTTGTACTCC
 GATTTCCCTTTTCCAGAAGACTACCCAACTTTGTGCCAAATTCTCTGTTCTGGAATATCTCCAGCTGT
 ATGCAACCCAGTTC AACCTTCTGAGATGCATCTATTTCAACACCAAAGTGTGCAGTATAACAAAACGCC
 AGATTTGCTGTCTCTGGACAATGGGAAGTGGTCACTGTCTGCAAGGGAAGCAAAGCTCAGACACCTTT
 GCTGCTGCATGGTCTGCACTGGGTTTCTAACTAACCCACATCTGCCCTGGATTCCTTTCCAGGCATAC
 AAACTTTTAAGGGCAGTACTTCCACAGCCGGCAGTATAAACATCCAGACGTATTTAAGGACAAGCGAGT
 CCTTGTGGTTGGAATGGGAAATTCTGGTACAGACATTGCCGTGGAGGCCAGTCACTTAGCGAAAAAGGTG
 TTTCTCAGCACCCCGGAGGGGCATGGGTGATCAGCCGAGTCTTTGATTCAGGGTACCCCTGGGACATGA
 TATTCATGACCGATTTCAGAACATGCTCAGAAATCTTCTCCAACTCCAGTTGTGAGTTGGTTGATATC
 AAAGAAGATGAACAGCTGGTTCAACCACGTGAATTACGGTGTGGCTCCAGAAGACAGGACTCAGCTGAGA
 GAGCCTGTGCTGAATGATGAGCTCCAGGCCGATCATCACTGGGAAAGTGTGATCAAGCCAGCATCA
 AGGAGGTGAAAGAAAACCTGTGCTCTTTAACAATACACCGAAGGAGGAGCCTATTGACGTCATCGTCTT
 TGCCACTGGATACTCCTTTGCGTTCCCTTCTCGATGAATCAATAGTAAAAGTTGAGGATGGCCAGGCA
 TCACTGTACAAGTACATCTTCCCGGCACATCTGCCAAAACCAACTCTGGCCGTGATTGGCCTCATCAAAC
 CCCTGGGTTCCATGATACCCACAGGAGAGACACAAGCTCGATGGGTTGTTCAAGTCTGAAAGTGGCGG
 TACATTACCACCCCGAGTGTGATGAAAGAAGTCAATGAACGGAAGAAGAACAAGCATAGCGGATTT
 GGCTTGTGCTACTGCAAGGCTTTGCAATCCGATTACATAACGTACATAGATGACCTCCTGACCTCGATCA
 ACGCAAACCGGACCTGCGGGCCATGCTCCTGACTGACCCACGCCTGGCTCTGAGCATCTTCTTCGGCCC
 ATGCACACCTTACCATTTCGCTGACTGGTCCAGGAAAGTGGGAAGGAGCCAGAAAGGCCATCTTGACC
 CAGTGGGACCGAACAGTGAACGTACCAAACTCGAACCGTACAAGAAACCCCATCTACCTTTGAAACTT
 TGCTTAAACTCTTAGTTTTCTGGCTTTGCTTGTGGCTGTTTTCTTTATTTCTGTAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul

ACCN: NM_012792

Insert Size: 1599 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_012792.1](#), [NP_036924.1](#)

RefSeq Size: 2042 bp

RefSeq ORF: 1599 bp

Locus ID: 25256

UniProt ID: [P36365](#)

Cytogenetics: 13q22

Gene Summary: catalyzes thiobenzamide S-oxidation; has additional S- and N-oxidation activities as well [RGD, Feb 2006]