

Product datasheet for **SC202581**

FMO5 (NM_001144829) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	FMO5 (NM_001144829) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	FMO5
Synonyms:	hBVMO1
ACCN:	NM_001144829
Insert Size:	217 bp
Insert Sequence:	>SC202581 3'UTR clone of NM_001144829 The sequence shown below is from the reference sequence of NM_001144829. The complete sequence of this clone may contain minor differences, such as SNPs. Blue =Stop Codon Red =Cloning site GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC CCCGAATAAAGGGCCTAAGGAGACATAACATCTAAATGTAATGTAGTATCCTGGATGGACTCCTGCA ACAGAAAAGAAGACTTTAAGTAAAAATTAAGGGAATATTAATAAAGTATGCATTTTGGTTAATAATGTAT CAATATTGGTTTATTAGTTGTGACAAATGTACCAGAGGAATGTAAATGTCAACAATAAAGGAAATTGG ATGTGGGGTA ACGCGT AAGCGGCCGCGCATCTAGATTGGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA CGAGATTCGATTCCACCGCCCTTCTATGAAAGG
Restriction Sites:	SgfI-MluI
OTI Disclaimer:	Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences, e.g., single nucleotide polymorphisms (SNPs).
Components:	The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.
RefSeq:	NM_001144829.3



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Summary:

Metabolic N-oxidation of the diet-derived amino-trimethylamine (TMA) is mediated by flavin-containing monooxygenase and is subject to an inherited FMO3 polymorphism in man resulting in a small subpopulation with reduced TMA N-oxidation capacity resulting in fish odor syndrome Trimethylaminuria. Three forms of the enzyme, FMO1 found in fetal liver, FMO2 found in adult liver, and FMO3 are encoded by genes clustered in the 1q23-q25 region. Flavin-containing monooxygenases are NADPH-dependent flavoenzymes that catalyzes the oxidation of soft nucleophilic heteroatom centers in drugs, pesticides, and xenobiotics. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jan 2009]

Locus ID:

2330

MW:

8.5