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Product datasheet for RC201181L3V

Flavin containing monooxygenase 4 (FMO4) (NM_002022) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Flavin containing monooxygenase 4 (FMO4) (NM_002022) Human Tagged ORF Clone Lentiviral Particle
Symbol:	Flavin containing monooxygenase 4
Synonyms:	FMO2
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_002022
ORF Size:	1674 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC201181).
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
RefSeq:	NM_002022.1
RefSeq Size:	2148 bp
RefSeq ORF:	1677 bp
Locus ID:	2329
UniProt ID:	P31512
Cytogenetics:	1q24.3
Protein Families:	Druggable Genome, Transmembrane

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Protein Pathways:	Drug metabolism - cytochrome P450
MW:	63.3 kDa
Gene Summary:	Metabolic N-oxidation of diet-derived amino-trimethylamine (TMA) is mediated by flavin-containing monooxygenase and is subject to an inherited FMO3 polymorphism in man. This results in a small subpopulation with reduced TMA N-oxidation capacity and causes fish odor syndrome (Trimethylaminuria). Three forms of the enzyme 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. [provided by RefSeq, Jan 2015]

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