

Recombinant Human FMO4 Protein, GST-tagged

Cat. No. FMO4-4393H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human FMO4 partial ORF (NP_002013.1, 206 a.a. - 301 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
Description	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. [provided by RefSeq]
Molecular Mass	36.3 kDa
AA Sequence	TAAQVLLSTRGTGWVLGRSSDWGYPNMMVTRRCCSFIAQVLPSRFLNWIQERKLN KRFNHEDYGLSITKGKKAKFIVNDELPNCILCGAITMKTS
Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array

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Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

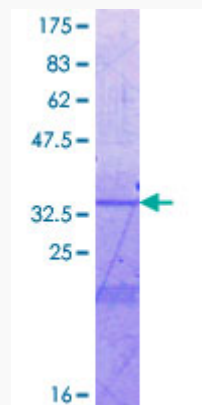
Gene Name	FMO4 flavin containing monooxygenase 4 [Homo sapiens]
Official Symbol	FMO4
Synonyms	FMO4; flavin containing monooxygenase 4; FMO2; dimethylaniline monooxygenase [N-oxide-forming] 4; FMO 4; dimethylaniline oxidase 4; hepatic flavin-containing monooxygenase 4;
Gene ID	2329
mRNA Refseq	NM_002022
Protein Refseq	NP_002013
MIM	136131
UniProt ID	P31512

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**Quality Control
Testing**



12.5% SDS-PAGE Stained with Coomassie Blue.

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