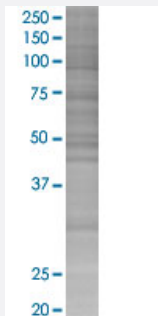


FMO5 293T Cell Transient Overexpression Lysate(Denatured)

Catalog # H00002330-T02

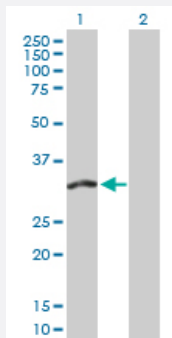
Size 100 uL

Applications



SDS-PAGE Gel

FMO5 transfected lysate.



Western Blot

Lane 1: FMO5 transfected lysate (32.50 KDa)

Lane 2: Non-transfected lysate.

Specification

Transfected Cell Line 293T

Plasmid pCMV-FMO5 full-length

Host Human

Theoretical MW (kDa) 32.5

Quality Control Testing Transient overexpression cell lysate was tested with Anti-FMO5 antibody ([H00002330-D01P](#)) by Western Blots.
 SDS-PAGE Gel
 FMO5 transfected lysate.
 Western Blot
 Lane 1: FMO5 transfected lysate (32.50 KDa)
 Lane 2: Non-transfected lysate.

Storage Buffer

1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)

Storage Instruction

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot

Gene Info — FMO5

Entrez GeneID[2330](#)**GeneBank Accession#**[BC035687.1](#)**Protein Accession#**[AAH35687.1](#)**Gene Name**

FMO5

Gene Alias

-

Gene Description

flavin containing monooxygenase 5

Omim ID[603957](#)**Gene Ontology**[Hyperlink](#)**Gene 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 Trimethyl aminuria. 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]

Other Designations

OTTHUMP00000016306

Pathway

- [Drug metabolism - cytochrome P450](#)

Disease

- [Hearing Loss](#)
- [Kidney Failure](#)
- [Tobacco Use Disorder](#)