



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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## FMO3 293T Cell Transient Overexpression Lysate(Denatured)

Catalog # : H00002328-T01

規格 : [ 100 uL ]

List All

### Specification

**Transfected Cell Line:** 293T

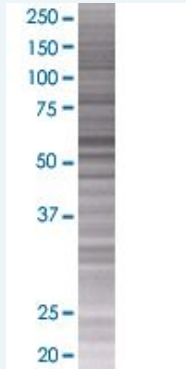
**Plasmid:** pCMV-FMO3 full-length

**Host:** Human

**Theoretical MW (kDa):** 60.1

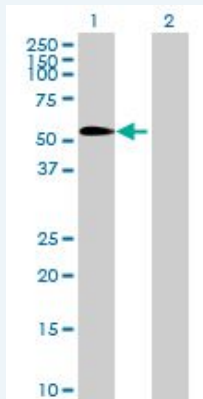
**Quality Control Testing:** Transient overexpression cell lysate was tested with Anti-FMO3 antibody ([H00002328-B01](#)) by Western Blots.

#### SDS-PAGE Gel



FMO3 transfected lysate.

#### Western Blot



Lane 1: FMO3 transfected lysate ( 60.1 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.

**MSDS:**  [Download](#)

### Applications

### Application Image

Western Blot

## Western Blot

### Gene Information

Entrez GeneID: [2328](#)

GeneBank [BC032016.1](#)  
Accession#:

Protein [AAH32016.1](#)  
Accession#:

Gene Name: FMO3

Gene Alias: FMOII,MGC34400,TMAU,dJ127D3.1

Gene Description: flavin containing monooxygenase 3

Omim ID: [136132](#), [602079](#)

Gene Ontology: [Hyperlink](#)

**Gene Summary:** Flavin-containing monooxygenases (FMO) are an important class of drug-metabolizing enzymes that catalyze the NADPH-dependent oxygenation of various nitrogen-,sulfur-, and phosphorous-containing xenobiotics such as therapeutic drugs, dietary compounds, pesticides, and other foreign compounds. The human FMO gene family is composed of 5 genes and multiple pseudogenes. FMO members have distinct developmental- and tissue-specific expression patterns. The expression of this FMO3 gene, the major FMO expressed in adult liver, can vary up to 20-fold between individuals. This inter-individual variation in FMO3 expression levels is likely to have significant effects on the rate at which xenobiotics are metabolised and, therefore, is of considerable interest to the pharmaceutical industry. This transmembrane protein localizes to the endoplasmic reticulum of many tissues. Alternative splicing of this gene results in multiple transcript variants encoding the same protein. Mutations in this gene cause the disorder trimethylaminuria (TMAu) which is characterized by the accumulation and excretion of unmetabolized trimethylamine and a distinctive body odor. In healthy individuals, trimethylamine is primarily converted to the non odorous trimethylamine N-oxide

Other Designations: Flavin-containing monooxygenase-3,OTTHUMP00000033540

### Gene Pathway

[Drug metabolism - cytochrome P450](#)

### Related Disease

[Adenoma](#) [Adenomatous Polyposis Coli](#) [Adenomatous Polyps](#) [Brain Neoplasms](#) [Cardiovascular Diseases](#) [Colon cancer](#) [Colorectal Neoplasms](#) [Ductus Arteriosus](#) [Patent Genetic Predisposition to Disease](#) [Hearing Loss](#) [Hypertension](#) [Infant, Premature, Diseases](#) [Kidney Failure](#) [Chronic Metabolism](#) [Inborn Errors](#) [Obesity](#) [Ovarian Failure](#) [Premature Polycystic Ovary Syndrome](#) [Puberty, Delayed](#) [Puberty, Precocious](#)

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