



# 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

### SZABO-SCANDIC HandelsgmbH

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## Datasheet

### FMO5 (Human) Recombinant Protein (P01)

**Catalog Number:** H00002330-P01

**Regulation Status:** For research use only (RUO)

**Product Description:** Human FMO5 full-length ORF (AAH35687, 1 a.a. - 285 a.a.) recombinant protein with GST-tag at N-terminal.

**Sequence:**

```
MTKKRIAVIGGGVSGGLSSIKCCVEEGLEPVCFERTDDI  
GGLWRFQENPEEGRASIYKSVIINTSKEMMCFSDYPIPI  
DHYPNFMHNAQVLEYFRMYAKEFDLLKYIRFKTTVCS  
VKKQPDFATSGQWEVVTSESEKKEMNVDGVMVCT  
GHHTNAHLPLESFPGIEKFKGQYFHSRDYKNPEGFTG  
KRVIIIGIGNSGGDLAVEISQTAKQVFLSTRRGAWILNR  
VGDYGYPADVLFSSRLTHFIWKICGQSLANKYLEKKIN  
QRFDHEMFGKPKHRSKDIALTE
```

**Host:** Wheat Germ (in vitro)

**Theoretical MW (kDa):** 56.87

**Applications:** AP, Array, ELISA, WB-Re  
(See our web site product page for detailed applications information)

**Protocols:** See our web site at  
<http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

**Preparation Method:** [in vitro wheat germ expression system](#)

**Purification:** Glutathione Sepharose 4 Fast Flow

**Storage Buffer:** 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

**Storage Instruction:** Store at -80°C. Aliquot to avoid repeated freezing and thawing.

**Entrez GeneID:** 2330

**Gene Symbol:** FMO5

**Gene Alias:** -

**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 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]