

## Product Information

### MemDX™ Membrane Protein Human CYP39A1 (Cytochrome P450 family 39 subfamily A member 1) for Antibody Discovery

Cat. No.: **MP0290X**

This product is for research use only and is not intended for diagnostic use.

This product is a 77.33 kDa Human CYP39A1 membrane protein expressed in *in vitro* wheat germ expression system. The protein is for research use only and is not approved for use in humans or in clinical diagnosis.

#### Product Specifications

##### Host Species

Human

##### Target Protein

CYP39A1

##### Protein Length

Full-length

##### Molecular Weight

77.33 kDa

##### TMD

3

##### Sequence

MELISPTVIIILGCLALFLLLQPKNLRRPPCIKGWIPWIGVGFEFGKAPLEFIEKARIKYGPIFTVFAMGNRMTFVTEEEGINVFLSKKVI

#### Product Description

##### Application

Enzyme-linked Immunoabsorbent Assay, Western Blot (Recombinant protein), Antibody Production, Protein Array

##### Expression Systems

*in vitro* wheat germ expression system

##### Tag

GST-tag at N-terminal

##### Form

Liquid

##### Purification

## Glutathione Sepharose 4 Fast Flow

### Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer

### Storage

Store at +4°C for up to one week or several months at -80°C

## Target

### Target Protein

CYP39A1

### Full Name

Cytochrome P450 family 39 subfamily A member 1

### Introduction

This gene encodes a member of the cytochrome P450 superfamily of enzymes. The cytochrome P450 proteins are monooxygenases which catalyze many reactions involved in drug metabolism and synthesis of cholesterol, steroids and other lipids. This endoplasmic reticulum protein is involved in the conversion of cholesterol to bile acids. Its substrates include the oxysterols 25-hydroxycholesterol, 27-hydroxycholesterol and 24-hydroxycholesterol. Alternate splicing results in multiple transcript variants

### Alternative Names

OTTHUMP00000016547; cytochrome P450; subfamily XXXIX (oxysterol 7 alpha-hydroxylase), polypeptide 1,oxysterol 7alpha-hydroxylase

### Gene ID

[51302](#)

### UniProt ID

[Q9NYL5](#)