

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

MELISPTVIIIIGCLALFLLLQPKNLRRPPCIKGWIPWIGVGFEFGKAPLEFIEKARIKYGPIFTVFAMGNRMTFVTEEEGINVFLKSKKV

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](#)