

Product Information

MemDX™ Membrane Protein Human CYP2C8 (Cytochrome P450 family 2 subfamily C member 8) Full Length

Cat. No.: **MPC1136K**

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

This product is a 55.8 kDa Human CYP2C8 membrane protein expressed in *E.coli*. 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

CYP2C8

Protein Length

Full length

Protein Class

Oxidoreductase

Molecular Weight

55.8 kDa

Sequence

MEPFVVLVLCLSFMLLFLSLWRQSCRRKLPPGPTPLPIIGNMLQIDVKDI
CKSFTNFSKVYGPVFTVYFGMNPIVVFHGYEAKEALIDNGEEFSGRGNS
PISQRITKGLGISSNGKRWKEIRRFSLTTLRNFGMGKRSIEDRVQEEAH
CLVEELRKTAKSPCDPTFILGCAPCNVICSVVFQKRFDYKDQNFTLMKR
FNENFRILNSPWIQVCNNFPLLIDCFPGTHNKVLKNVALTRSYIREKVKE
HQASLDVNNPRDFIDCFLIKMEQEKDQNQKSEFNIENLVGTVADLFVAGTE
TTSTTLRYGLLLLKHPEVTAKVQEEIDHVIGRHRSPCMQDRSHMPYTD
VVHEIQRYSSDLVPTGVPHAVTTDTKFRNYLIPKGTTIMALLTSVLHDDKE
FPNPNIIFDPGHFLDKNGNFKKSDYFMPFSAGKRICAGEGLARMELFLFT
TILQNFNLKSVDLKNLNTTAVKGIVSLPPSYQICFIPV

Product Description

Expression Systems

E.coli

Tag

Based on specific requirements

Protein Format

Detergent or based on specific requirements

Form

Liquid

Storage

Aliquot and store at -20°C or lower. For long term storage, we recommend to store at -70°C or lower. Avoid freeze/thaw cycles.

Target**Target Protein**

CYP2C8

Full Name

Cytochrome P450 family 2 subfamily C member 8

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 protein localizes to the endoplasmic reticulum and its expression is induced by phenobarbital. The enzyme is known to metabolize many xenobiotics, including the anticonvulsive drug mephenytoin, benzo(a)pyrene, 7-ethoxycoumarin, and the anti-cancer drug taxol. This gene is located within a cluster of cytochrome P450 genes on chromosome 10q24. Several transcript variants encoding a few different isoforms have been found for this gene.

Alternative Names

CYP2C8; CPC8; CYP1IC8; CYP2C8DM; MP-12/MP-20; cytochrome P450 2C8; P450 form 1; cytochrome P450 IIC2; cytochrome P450 MP-12; cytochrome P450 MP-20; cytochrome P450 form 1; cytochrome P450, family 2, subfamily C, polypeptide 8; cytochrome P450, subfamily IIC (mephenytoin 4-hydroxylase), polypeptide 8; flavoprotein-linked monooxygenase; microsomal monooxygenase; s-mephenytoin 4-hydroxylase; xenobiotic monooxygenase; Cytochrome P450 family 2 subfamily C member 8

Gene ID

[1558](#)

UniProt ID

[P10632](#)