

Product Information

MemDX™ Membrane Protein Human CYP2C8 (Cytochrome P450 family 2 subfamily C member 8) for Antibody Discovery

Cat. No.: **MP1140J**

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

This product is a 55.6 kDa Human CYP2C8 membrane protein expressed in HEK293T. 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

Druggable Genome, P450, Transmembrane

Molecular Weight

55.6 kDa

Sequence

MEPFVVLVLCLSFMLLFSLWRQSCRRRLPPGPTPLPIIGNMLQIDVKDICKSFTNFSKVYGPVFTVYFG
MNPVVVFHGYESVKEALIDNGEEFSGRGNSPISQRITKGLGISSNGKRWKEIRRFSLTTLRNFGMGKRS
IEDRVQEEAHCLVEELRKTASPCDPTFILGCAPCNVICSVVFQKRFDYKDQNFLTLMKRFNENFRILNS
PWIQVCNNFPLIDCFPGTHNKVLKNVALTRSYIREKVKEHQASLDVNNPRDFIDCFLIKMEQEKDNQKS
EFNIENLVGTVADLFVAGTETTSTTLRYGLLLLLKHPEVTAKVQEEIDHVIGRHRSPCMQDRSHMPYTD
VWHEIQRYSDLVPTGVPHAVTTDTKFRNYLIPKGTTIMALLTSVLHDDKEFPNPNIFDPGHFLDKNGNFK
KSDYFMPFSAGKRICAGEGLARMELFLFTTILQNFNLKSVDDLKLNLTAVTKGIVSLPPSYQICFIPV

Product Description

Expression Systems

HEK293T

Tag

C-Myc/DDK

Form

Liquid

Purification

Anti-DDK affinity column followed by conventional chromatography steps

Purity

> 80% as determined by SDS-PAGE and Coomassie blue staining

Buffer

25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol

Storage

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

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

CPC8; CYP2C8DM; CYP11C8; MP-12/MP-20

Gene ID

[1558](#)

UniProt ID

[P10632](#)