

Product Information

MemDX™ Membrane Protein Human CYP4F11 (Cytochrome P450 family 4 subfamily F member 11) Full Length

Cat. No.: **MPC4716K**

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

This product is a made-to-order Human CYP4F11 membrane protein expressed in HEK293. 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

CYP4F11

Protein Length

Full length

Protein Class

Oxidoreductase

TMD

1

Sequence

MPQLSLSWLGLGPVAASPWLLLLLVGGSWLLARVLAWTYTFYDNCRRRLQC
FPQPPKQNWFWGHQGLVTPTEEGMKTLTQLVTTYPPQGFKLWLGPTFPLLI
LCHPDIIIRPITSASAAVAPKDMIFYGFLKPWLGDGLLLSGGDKWSRHRM
LTPAFHFNILKPYPYKIFNKSVMHDKWQRLASEGSARLDMFEHISLMTL
DSLQKCVFSFESNCQEKPSYIAAILELSAFVEKRNQQILLHTDFLYLT
PDGQRFRRACHLVHDFDVAIQERRCTLPTQGIDDFLKNKAKSKTLDFID
VLLLSKDEDEGKELSDDIRAEADTFMFEGHDTTASGLSWVLYHLAKHPEY
QEQCRQEVQELLKDREPIEIEWDDLAQLPFLTMCIKESLRLHPPVPVISR
CCTQDFVLDPGRVIPKGIVCLINIIGIHYNPTVWPDPEVYDPFRFDQENI
KERSPLAFIPFSAGPRNCIGQAFAMAEMKVVLALTLLHFRILPTHTEPRR
KPELILRAEGGLWLRVEPLGANSQ

Product Description

Expression Systems

HEK293

Tag

Based on specific requirements

Protein Format

Detergent or based on specific requirements (Detergent, Liposome, Nanodisc, Polymer, VLP)

Form

Liquid

Storage

Aliquot and store at -20°C or lower. For long term storage, we recommend to store at -72°C or lower. Avoid freeze/thaw cycles.

Target**Target Protein**

CYP4F11

Full Name

Cytochrome P450 family 4 subfamily F member 11

Introduction

This gene, CYP4F11, 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 gene is part of a cluster of cytochrome P450 genes on chromosome 19. Another member of this family, CYP4F2, is approximately 16 kb away. Alternatively spliced transcript variants encoding the same protein have been found for this gene.

Alternative Names

CYP4F11; CYP4F11; cytochrome P450 4F11; 3-hydroxy fatty acids omega-hydroxylase CYP4F11; cytochrome P450, family 4, subfamily F, polypeptide 11; cytochrome P450, subfamily IVF, polypeptide 11; docosahexaenoic acid omega-hydroxylase; long-chain fatty acid omega-monooxygenase; phyloquinone omega-hydroxylase CYP4F11; Cytochrome P450 family 4 subfamily F member 11

Gene ID

[57834](#)

UniProt ID

[Q9HBI6](#)