

Product Information

MemDX™ Membrane Protein Human CYP4F8 (Cytochrome P450 family 4 subfamily F member 8) Full Length

Cat. No.: **MPC4724K**

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

This product is a made-to-order Human CYP4F8 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

CYP4F8

Protein Length

Full length

Protein Class

Oxidoreductase

TMD

1

Sequence

MSLLSLSWLGLRPVAASPWLLLLVVGASWLLARILAWTYAFYHNGRRLRC
FPQPRKQNWFLGHLGLVTPTEEGLRVLTQLVATYPQGFVRWLGPIITPIIN
LCHPDIVRSVINTSDAITDKDIVFYKTLKPWLGDGLLLSVGDKWRHHRRL
LTPAFHFNILKPYIKIFSANIMHAKWQRLAMEGSTCLDVFEHISLMTL
DSLQKCIFSFDSCQEKPSYITAIMELSALVVKRNNQFFRYKDFLYFLT
PCGRRFHRACRLVHDFDVAIQERRRTLTSQGVDDFLQAKAKSKTLDIFD
VLLSSEDKNGKELSDDIRAEADTFMFGGHDTTASGLSWVLYNLARHPEY
QERCRCQEVQELLKDREPKEIEWDDLAQLPFLTMCLKESLRLHPPIPTFAR
GCTQDVVLPDSRVIPKGNVCNINIFAIHHNPSVWPDPEVYDPFRFDPENA
QKRSPMAFIPFSAGPRNCIGQKFAMAEMKVVLALTLLRFRILPDHREPRR
TPEIVLRAEDGLWLRVEPLG

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**

CYP4F8

Full Name

Cytochrome P450 family 4 subfamily F member 8

Introduction

This gene, CYP4F8, 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 functions as a 19-hydroxylase of prostaglandins in seminal vesicles. This gene is part of a cluster of cytochrome P450 genes on chromosome 19. Another member of this family, CYP4F3, is approximately 18 kb away.

Alternative Names

CYP4F8; CPF8; CYP4F8; cytochrome P450 4F8; cytochrome P450, family 4, subfamily F, polypeptide 8; cytochrome P450, subfamily IVF, polypeptide 8; flavoprotein-linked monooxygenase; microsomal monooxygenase; Cytochrome P450 family 4 subfamily F member 8

Gene ID

[11283](#)

UniProt ID

[P98187](#)