

Product Information

MemDX™ Membrane Protein Human CYP4F22 (Cytochrome P450 family 4 subfamily F member 22) Full Length

Cat. No.: **MPC4727K**

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

This product is a made-to-order Human CYP4F22 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

CYP4F22

Protein Length

Full length

Protein Class

Oxidoreductase

TMD

1

Sequence

MLPITDRLLHLLGLEKTAfriYAVSTLLLfLLFFLFRLLLrFLRLCRSFY
ITCRRRLRCFPQPPRRNWLLGHLGMYLPNEAGLQDEKKVLDNMHHVLLVWM
GPVLPLLVLVHPDYIKPLLGA^{AA}IA^{PK}DDLFY^GFL^KPWLGDG^{LL}LSKGD
KWSRHRRL^{LT}PA^{FH}FDIL^{KPY}MKIF^{NQ}SADIMHAKWRHLAEGSAVSLDMF
EHISLMTLDSLQKCVFSYNSNCQEKMSDYISAIIELSALS^{VRR}QYRLHHY
LDFIYYRSADGRRFRQACDMVHHFTTEVIQERRRALRQQGA^{AW}LKAKQG
KTLDFIDVLLARDEDGKELSD^{ED}IRAEADTFMFEGHDTTSSGISWMLFN
LAKYPEYQEKREEIQEVMKGRELEEEWDDLTQLPFTTMCIKESLRQYP
PVTLVSRQCTEDIKLPDGRIPKGIICLVSIYGTHHNPTVWPD^{SK}VYNPY
RFDPDNPQQRSPLAYV^{PF}SAGPRNCIGQSFAMAELRVVVALTLLRFRLSV
DRTRK^{VRR}KPELILRTENGLW^{LK}VEPLPPRA

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**

CYP4F22

Full Name

Cytochrome P450 family 4 subfamily F member 22

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 gene is part of a cluster of cytochrome P450 genes on chromosome 19 and encodes an enzyme thought to play a role in the 12(R)-lipoxygenase pathway. Mutations in this gene are the cause of ichthyosis lamellar type 3.

Alternative Names

CYP4F22; LI3; ARCI5; INLNE; cytochrome P450 4F22; cytochrome P450, family 2, subfamily E, polypeptide 2 homolog; cytochrome P450, family 4, subfamily F, polypeptide 22; Cytochrome P450 family 4 subfamily F member 22

Gene ID

[126410](#)

UniProt ID

[Q6NT55](#)