

Product Information

MemDX™ Membrane Protein Human CH25H (Cholesterol 25-hydroxylase) Expressed *in vitro* *E.coli* expression system, Full Length

Cat. No.: **MPX1547K**

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

This product is a Human CH25H membrane protein expressed *in vitro* *E.coli* expression system. 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

CH25H

Protein Length

Full Length

Protein Class

Oxidoreductase

TMD

3

Sequence

MSCHNCSDPQVLCSSGQLFLQPLWDHLRSWEALLQSPFFPVIFSITTYVGFCLPFVVLIDILCSWVPALRRYKIHPDFSPSAQQLLPC

Product Description

Expression Systems

in vitro *E.coli* expression system

Tag

10xHis tag at the N-terminus

Protein Format

Soluble

Form

Liquid or Lyophilized powder

Buffer

Tris/PBS-based buffer, 6% Trehalose, pH 8.0

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

CH25H

Full Name

Cholesterol 25-hydroxylase

Introduction

This is an intronless gene that is involved in cholesterol and lipid metabolism. The encoded protein is a membrane protein and contains clusters of histidine residues essential for catalytic activity. Unlike most other sterol hydroxylases, this enzyme is a member of a small family of enzymes that utilize diiron cofactors to catalyze the hydroxylation of hydrophobic substrates.

Alternative Names

CH25H; C25H; cholesterol 25-hydroxylase; cholesterol 25-monooxygenase; h25OH; Cholesterol 25-hydroxylase

Gene ID

[9023](#)

UniProt ID

[O95992](#)