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Product Information

MemDX™ Membrane Protein Human PEMT (Phosphatidylethanolamine N-methyltransferase)

Expressed *in vitro E.coli* expression system, Full Length of Mature Protein

Cat. No.: **MPX2179K**
This product is for research use only and is not intended for diagnostic use.

This product is a Human PEMT 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
PEMT

Protein Length
Full Length of Mature Protein

Protein Class
Transferase

TMD
4

Sequence
TRLLGYVDPLDPSFVAAVITITFNPLYWNVVARWEHKTRKLSRAFGSPYLACYSLSVTILLLNFLRSHCFTQAMLSQPRMESLDTPAA

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

PEMT

Full Name

Phosphatidylethanolamine N-methyltransferase

Introduction

Phosphatidylcholine (PC) is the most abundant mammalian phospholipid. This gene encodes an enzyme which converts phosphatidylethanolamine to phosphatidylcholine by sequential methylation in the liver. Another distinct synthetic pathway in nucleated cells converts intracellular choline to phosphatidylcholine by a three-step process. The protein isoforms encoded by this gene localize to the endoplasmic reticulum and mitochondria-associated membranes. Alternate splicing of this gene results in multiple transcript variants encoding different isoforms.

Alternative Names

PEMT; PLMT; PNMT; PEAMT; PEMPT; PEMT2; phosphatidylethanolamine N-methyltransferase; phospholipid methyltransferase; Phosphatidylethanolamine N-methyltransferase

Gene ID

10400

UniProt ID

Q9UBM1