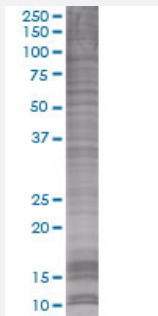


PEMT 293T Cell Transient Overexpression Lysate(Denatured)

Catalog # H00010400-T01

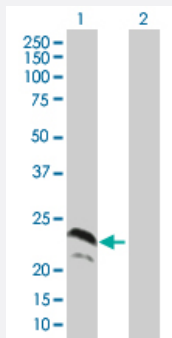
Size 100 uL

Applications



SDS-PAGE Gel

PEMT transfected lysate



Western Blot

Lane 1: PEMT transfected lysate (26.07 KDa).

Lane 2: Non-transfected lysate.

Specification

Transfected Cell Line	293T
Plasmid	pCMV-PEMT full-length
Host	Human
Theoretical MW (kDa)	26.07
Interspecies Antigen Sequence	Mouse (80); Rat (80)

Quality Control Testing

Transient overexpression cell lysate was tested with Anti-PEMT antibody ([H00010400-B01](#)) by Western Blots.
SDS-PAGE Gel
PEMT transfected lysate
Western Blot
Lane 1: PEMT transfected lysate (26.07 KDa).
Lane 2: Non-transfected lysate.

Storage Buffer

1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)

Storage Instruction

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot

Gene Info — PEMT

Entrez GeneID

[10400](#)

GeneBank Accession#

[BC000557](#)

Protein Accession#

[AAH00557](#)

Gene Name

PEMT

Gene Alias

MGC2483, PEAMT, PEMPT, PEMT2, PNMT

Gene Description

phosphatidylethanolamine N-methyltransferase

Omim ID

[602391](#)

Gene Ontology

[Hyperlink](#)

Gene Summary

This gene encodes an enzyme which converts phosphatidylethanolamine to phosphatidylcholine by sequential methylation in the liver. The protein localizes to the endoplasmic reticulum and mitochondria-associated membranes. The gene is within the Smith-Magenis syndrome region on chromosome 17. Alternate splicing of this gene results in three transcript variants encoding two different isoforms. [provided by RefSeq]

Other Designations

OTTHUMP00000065536|OTTHUMP00000065537

Pathway

- [Glycerophospholipid metabolism](#)
- [Metabolic pathways](#)

Disease

- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Cardiovascular Diseases](#)
- [Choline Deficiency](#)
- [Cleft Lip](#)
- [Cleft Palate](#)
- [Coronary Artery Disease](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Fatty Liver](#)
- [Folic Acid Deficiency](#)
- [Genetic Predisposition to Disease](#)
- [Metabolic Syndrome X](#)
- [Obesity](#)
- [Schizophrenia](#)
- [Tobacco Use Disorder](#)