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Product Information

MemDX™ Membrane Protein Human THEM4 (Thioesterase superfamily member 4) for Antibody Discovery

Cat. No.: **MP1353X**
This product is for research use only and is not intended for diagnostic use.

This product is a 53.6 kDa Human THEM4 membrane protein expressed in *In vitro* wheat germ 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
THEM4

Protein Length
Full-length

Molecular Weight
53.6 kDa

Sequence
MLRSCAARLRTLGALCRPPVGRRLPGSEPRPELRSFSSEEVILKDCSVPNPSWNKDLRLLFDQFMKKCEDGSWKRLPSYKRTPTE

Product Description

Application
Enzyme-linked Immunoabsorbent Assay, Western Blot (Recombinant protein), Antibody Production, Protein Array

Expression Systems
in vitro wheat germ expression system

Tag
GST-tag at N-terminal

Protein Format
Liposome

Form
Liquid

Purification

Glutathione Sepharose 4 Fast Flow

Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0

Storage

Store at +4°C for up to one week or several months at -80°C

Target

Target Protein

THEM4

Full Name

Thioesterase superfamily member 4

Introduction

Protein kinase B (PKB) is a major downstream target of receptor tyrosine kinases that signal via phosphatidylinositol 3-kinase. Upon cell stimulation, PKB is translocated to the plasma membrane, where it is phosphorylated in the C-terminal regulatory domain. The protein encoded by this gene negatively regulates PKB activity by inhibiting phosphorylation. Transcription of this gene is commonly downregulated in glioblastomas.

Alternative Names

CTMP; acyl-coenzyme A thioesterase THEM4; C-terminal modulator protein; acyl-CoA thioesterase THEM4; carboxyl-terminal modulator protein

Gene ID

117145

UniProt ID

Q5T1C6

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