

Product Information

MemDX™ Membrane Protein Human PPARG (Peroxisome proliferator activated receptor gamma)

Cat. No.: **MP0038F**

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

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

PPARG

Protein Length

Full-length

Protein Class

GPCR Class A

Molecular Weight

44.8kDa

TMD

7

Sequence

MASAWSHPQFEKGGGSGGGSGGSAWSHPQFEKGAHHHHHHHHHENLYFQQGNGSALPNAS
QPVLRGD GARPSWLASALACVLIFTIVVDILGNLLVILSVYRNKKLRNAGNIFVVSLAVADLVVAIYPY
PLVLSIFNNGWNLGYLHCQVSGFLMGLSVIGSIFNITGIAINRYCYICHSLKYDKLYSSKNSLCYVLL
IWLLTLAAVLPNLRAGTLQYDPRIYSCTFAQSVSSAYTIAVVVFHFLVPMIIVIFCYLRIWILVLQVRQR
VKPDRKPKLKPQDFRNFVTMFVVFVLFALCWAPLNFIGLAVASDPASMVPRIPEWLFVASYYMAYFNS
CLNAIYGLLNQNRKEYRRIIVSLCTARVFFVDSSNDVADRVKWKPSPLMTNNNVVKVDSV

Product Description

Activity

Yes

Expression Systems

Sf9

Tag

StrepX2/His (both N-terminal)

Form

Liquid

Purification

Metal Affinity Chromatography in presence of Sarkosyl/CHS

Purity

>90%

Buffer

25mM Na₂HPO₄ pH 8.0, 150mM NaCl, 0.86%/0.18% Sarkosyl/CHS

Storage

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

Target**Target Protein**

PPARG

Full Name

Peroxisome proliferator activated receptor gamma

Introduction

This gene encodes a member of the peroxisome proliferator-activated receptor (PPAR) subfamily of nuclear receptors. PPARs form heterodimers with retinoid X receptors (RXRs) and these heterodimers regulate transcription of various genes. Three subtypes of PPARs are known: PPAR-alpha, PPAR-delta, and PPAR-gamma. The protein encoded by this gene is PPAR-gamma and is a regulator of adipocyte differentiation. Additionally, PPAR-gamma has been implicated in the pathology of numerous diseases including obesity, diabetes, atherosclerosis and cancer. Alternatively spliced transcript variants that encode different isoforms have been described.

Alternative Names

GLM1, CIMT1, NR1C3, PPARG1, PPARG2, PPARG5, PPARGgamma

Gene ID

[5468](#)

UniProt ID

[P48039](#)