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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
MASAWSHPQFEKGGGSGGGSGGSAWSHPQFEKGAHHHHHHHHHHENLYFQGQGNGSALPNAS
QPVLRGDGARPSWLASALACVLIFTIVVDILGNLLVILSVYRNKKLRNAGNIFVVSLAVADLVVAIYPY
PLVLMSIFNNGWNLGYLHCQVSGFLMGLSVIGSIFNITGIAINRYCYICHSLKYDKLYSSKNSLCYVLL
IWLLTLAAVLPNLRAGTLQYDPRIYSCTFAQSVSSAYTIAVVVFHFLVPMIIVIFCYLRIWILVLQVRQR
VKPDRKPKLKPQDFRNFVTMFVVFVLFAICWAPLNFIGLAVASDPASMVPRIPEWLFVASYYMAYFNS
CLNAIIYGLLNQNFRKEYRRIIVSLCTARVFFVDSSNDVADRVKWKPSPLMTNNNVVKVDSV

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, PPARgamma

Gene ID

5468

UniProt ID

P48039

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