
Product Data Sheet

Product Name: PPARG Human
Cat. No.: GP22601
Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Peroxisome proliferator-activated receptor gamma; PPAR-gamma; PPARG; NR1C3; PPARG1; PPARG2.		
Formulation	The protein solution contains 20mM Tris-HCl and 50% glycerol.		

Introduction

The peroxisome proliferator activated receptors (PPARs) are ligandactivated transcription factors within the nuclear receptor superfamily, which play important roles in adipogenesis, glucose homeostasis and inflammation. Three different isotypes can be distinguished; alpha, beta and gamma. PPAR α , is mainly expressed in adipose tissue and to lesser extent in colon, the immune system and the retina. Whereas PPAR γ operates in the catabolism of fatty acids in the liver, PPAR γ influences the storage of fatty acids in the adipose tissue and plays a role in adipocyte differentiation. PPAR γ binds to DNA as a heterodimer with retinoid X receptor (RXR), activating expression of target genes after binding ligand.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. Avoid multiple freeze-thaw cycles.

Background

Peroxisome Proliferator Activated Receptor Gamma Human Recombinant is expressed in E.coli having a molecular weight of 59.2 kDa and fused to an amino terminal hexahistidine tag.

Caution: Product has not been fully validated for medical applications. For research use only.

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