Datasheet for ABIN7505016

PPARG Protein (AA 234-505) (His tag)

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Overview

Quantity:	100 µg
Target:	PPARG
Protein Characteristics:	AA 234-505
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This PPARG protein is labelled with His tag.

Product Details

Sequence:	Pro234-Tyr505
Characteristics:	A DNA sequence encoding theHuman PPARG protein (P37231) (Pro234-Tyr505) was expressed with a N-His.
Purity:	>80 % as determined by reducing SDS-PAGE.

Target Details

Target:	PPARG
Alternative Name:	PPARG (PPARG Products)
Background:	Background: Nuclear receptor that binds peroxisome proliferators such as hypolipidemic drugs and fatty acids. Once activated by a ligand, the nuclear receptor binds to DNA specific PPAR response elements (PPRE) and modulates the transcription of its target genes, such as acyl-CoA oxidase. It therefore controls the peroxisomal beta-oxidation pathway of fatty acids. Key

Target Details

	regulator of adipocyte differentiation and glucose homeostasis. ARF6 acts as a key regulator of the tissue-specific adipocyte P2 (aP2) enhancer. Acts as a critical regulator of gut homeostasis by suppressing NF-kappa-B-mediated pro-inflammatory responses. Plays a role in the regulation of cardiovascular circadian rhythms by regulating the transcription of ARNTL/BMAL1 in the blood vessels. Synonym: PPAR-gamma,Nuclear receptor subfamily 1 group C member 3,PPAR-γ
Molecular Weight:	28 kDa
UniProt:	P37231
Pathways:	MAPK Signaling, Nuclear Receptor Transcription Pathway, Steroid Hormone Mediated Signaling Pathway, Negative Regulation of Hormone Secretion, Carbohydrate Homeostasis, Regulation of Lipid Metabolism by PPARalpha, Positive Regulation of Endopeptidase Activity, Brown Fat Cell Differentiation, Positive Regulation of fat Cell Differentiation

Application Details

Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Buffer:	Lyophilized from sterile PBS, pH 7.4.
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
Expiry Date:	12 months