

AR09574PU-L

Human PPAR-gamma (209-477, His-tag) - Purified

Alternate names:

NR1C3, PPARG, Peroxisome proliferator-activated receptor gamma

Quantity:

0.5 mg

Concentration:

1.0 mg/ml (determined by Bradford assay)

Background:

PPAR-gamma (PPARG), also known as Peroxisome proliferator-activated receptor gamma, is member of the nuclear hormone receptor subfamily of transcription factors. This protein regulates transcription of genes involved in Insulin action, adipocyte differentiation, lipid metabolism and inflammation. It is implicated in numerous diseases including obesity, diabetes, atherosclerosis and cancer. It also activators include prostanoids, fatty acids, thiazolidinediones and N-(2-benzoylphenyl) tyrosine analogues. PPARG may modulate macrophage functions such as proinflammatory activities, and stimulate oxidized low-density lipoprotein (x-LDL) uptake.

Uniprot ID:

[P37231](#)

NCBI:

[NP_056953](#)

GenelD:

[5468](#)

Species:

Human

Source:

E. coli

Format:

State: Liquid purified protein

Purity: >95% by SDS - PAGE

Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 10% glycerol, 0.1 M NaCl

Description:

Recombinant human PPARG protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

AA Sequence:

MGSSHHHHHH SSGLVPRGSH MADLRALAKH LYDSYIKSFP LTKAKARAIL TGKTTDKSPF
VIYDMNSLMM GEDKIKFKHI TPLQEQSKEV AIRIFQGCQF RSVEAVQEIT EYAKSIPGFV
NLDLNDQVTL LKYGVHEIIY TMLASLMNKD GVLISEGQGF MTREFLKSRL KPFGDFMEPK
FEFAVKFNAL ELDDSDLAIF IAVIILSGDR PGLLNVPKPIE DIQDNLLQAL ELQLKLNHPE
SSQLFAKLLQ KMTDLRQIVT EHVQLLQVIK KTETDMSLHP LLQEIYKDLY

Molecular weight: kDa (290aa) confirmed by MALDI-TOF

Storage:

Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C or -70°C for longer.

Avoid repeated freezing and thawing.

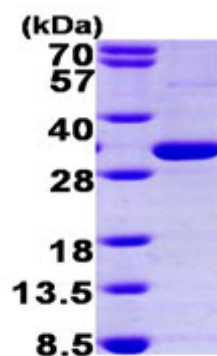
Shelf life: one year from despatch.

General Readings:

Berger J.. et al. (2002) Annu Rev Med . 53:409-35.

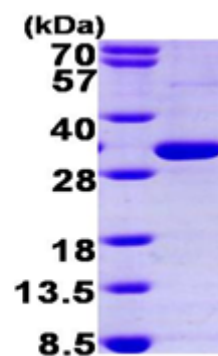
Michalik L .,et al. (2006) Pharmacol Rev. 58(4):726-41.

Pictures:



15% SDS-PAGE (3ug)

Recombinant human PPARG, 209-477 aa,
His-tagged



15% SDS-PAGE (3ug)