

# Recombinant Human PPAR gamma Protein

Catalog No.: RP02853 Recombinant

## **Sequence Information**

**Species Gene ID Swiss Prot** Human 5468 P37231-1

# Tags

N-His∏GST

## **Synonyms**

GLM1; CIMT1; NR1C3; PPARG1; PPARG2; PPARG5; PPARGamma; PPARG

## **Product Information**

| Source             | Purification       |  |
|--------------------|--------------------|--|
| Baculovirus-Insect | ≥ 95 % as          |  |
| Cells              | determined by SDS- |  |
|                    | PAGE.              |  |

## Calculated MW Observed MW

85.4 kDa 85 kDa

#### **Endotoxin**

< 1 EU/µg of the protein by LAL method.

## **Formulation**

Lyophilized from a 0.22 µm filtered solution of 50mM Tris, 100mM NaCl, pH 7.4, 20% qly, 0.3mM DTT.

## Reconstitution

Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stablizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

## Contact

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## **Background**

Peroxisome proliferator-activated receptor gamma (PPARG), a nuclear hormone receptor, plays a critical role in the lipid and glucose homeostasis, adipocyte differentiation, as well as intracellular insulin-signaling events. The peroxisome proliferator-activated receptor gamma (PPARgamma) regulates osteoblast and osteoclast differentiation, and is the molecular target of thiazolidinediones (TZDs), insulin sensitizers that enhance glucose utilization and adipocyte differentiation. Peroxisome proliferator-activated receptor gamma (PPARG) is a transcription factor involved in atherosclerosis and related diseases. Peroxisome proliferator-activated receptor gamma (PPARG) plays an important role in the pathogenesis and maintenance of essential hypertension (EH).The functional single nucleotide polymorphisms in peroxisome proliferator-activated receptor gamma (PPARG) gene were predicted to be correlated with the susceptibility of colorectal cancer (CRC).

## **Basic Information**

#### Description

Recombinant Human PPAR gamma Protein is produced by Baculovirus-Insect Cells expression system. The target protein is expressed with sequence (Met1-Tyr505) of human PPAR gamma (Accession #NP\_056953.2) fused with a His GST tag at the N-terminus.

#### **Bio-Activity**

#### **Shipping**

The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

#### Storage

Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt.

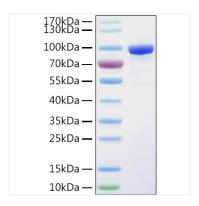
After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.

Avoid repeated freeze/thaw cycles.

#### **Operational Notes**

For your safety and health, please wear a lab coat and disposable gloves for handling.

# **Validation Data**



Recombinant Human PPAR gamma Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.