

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 Cells	> 95% by SDS-PAGE.

Calculated MW	Observed MW
85.4 kDa	85 kDa

Endotoxin

<1EU/μg

Formulation

Lyophilized from a 0.22 μm filtered solution of 50mM Tris, 100mM NaCl, pH 7.4, 20% gly, 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 stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

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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 (PPARGgamma) 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

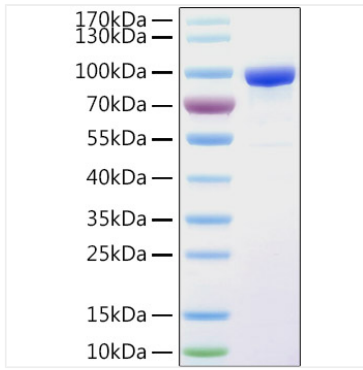
Recombinant Human PPAR gamma Protein is produced by Baculovirus-Insect Cells expression system. The target protein is expressed with sequence (Met1-Tyr505) of human PPAR gamma (Accession #NP_056953.2) fused with a His□GST tag at the N-terminus.

Bio-Activity

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.

Validation Data



Recombinant Human PPAR gamma Protein was determined by SDS-PAGE with Coomassie Blue, showing a band at 85 kDa.