Recombinant Human PPAR gamma Protein

Catalog No.: RP02853

Sequence Information

Species
Human

Gene ID
5468

Swiss Prot
P37231-1

Tags
N-His & GST

Synonyms
GLM1; CIMT1; NR1C3; PPARG1; PPARG2; PPARG5; PPARgamma; PPARG

Product Information

Source
Baculovirus-Insect Cells

Purification
≥ 95 % as determined by SDS-PAGE.

Calculated MW
85.4 kDa

Observed MW
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% 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 stablizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

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.

Activity

Shipping
Lyophilized proteins are shipped at ambient temperature.
Liquid proteins are shipped at frozen temperature with dry ice.
Upon receipt, store it immediately at the temperature recommended below.

Storage
Store at -20℃

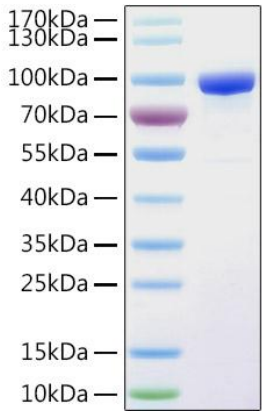
Operational Notes
For your safety and health, please wear a lab coat and disposable gloves for handling.

Contact

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For research use only. Not for therapeutic or diagnostic purposes.
Please visit http://abclonal.com for a complete listing of recommended products.

Validation Data



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