

Recombinant Bovine Peroxisome Proliferator-Activated Receptor Gamma (PPARG)

Cat. No.: AP9C435

Product Type: Animal Proteins

Size: 10 µg; 50 µg; 200 µg; 1 mg; 5 mg

Product Overview

BioVenic's Recombinant Bovine Peroxisome Proliferator-Activated Receptor Gamma (PPARG) is a recombinant protein expressed from *E.coli*. Its predicted molecular weight is 23.1 kDa. The purity is >95% (SDS-PAGE).

Specifications

Type	Recombinant Protein
Species	Bovine
Expression System	<i>E.coli</i>
Purity	>95% (SDS-PAGE)
Endotoxin	< 1 EU/µg
Predicted Molecular Weight	23.1 kDa
Molecular Weight	23.0 kDa
Physical State	Lyophilized
Formulation	The buffer before lyophilization is PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.

Target Information

Bovine peroxisome proliferator activated receptor gamma (PPAR γ) is a nuclear receptor protein that functions as a transcription factor in cattle. It is predominantly involved in the regulation of adipocyte differentiation, glucose metabolism, and fatty acid storage. PPAR γ plays a critical role in energy homeostasis and inflammation, influencing the development of adipose tissue and modulating insulin sensitivity. This protein is also implicated in the immune response and is a target for therapeutic interventions in metabolic disorders.

Protein	Bovine Peroxisome Proliferator-Activated Receptor Gamma (PPARG)
Protein Synonym	PPAR-G; PPARG1; PPARG2; NR1C3; Glitazone Receptor; Nuclear Receptor Subfamily 1 Group C Member 3
Gene ID	281993

Shipping and Storage

This product is shipped with dry ice. It is recommended to aliquot as needed and store at -80°C upon receipt. Reconstituted protein solution can be stored at 4°C for 1 week, at $< -80^{\circ}\text{C}$ for 12 months. Avoid repeated freezing and thawing.

User Note

Always centrifuge tubes before opening. Avoid mixing by vortexing or pipetting. Reconstitute in 10mM PBS (pH7.4) to a concentration of 0.1-1.0 mg/mL. Aliquot the reconstituted solution to minimise freeze-thaw cycles.

The product is for research use only. Not for commercial, prophylactic, diagnostic, or therapeutic applications. Please determine the purpose of the product before purchasing. For further information and inquiry, please contact us.