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# Recombinant Human PPAR-alpha//NR1C1 Protein

**Catalog No.: RP02969** **Recombinant**

## Sequence Information

| Species | Gene ID | Swiss Prot |
|---|---|---|
| Human | 5465 | Q07869 |

**Tags**
N-His

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

## Background

Peroxisome proliferators include hypolipidemic drugs, herbicides, leukotriene antagonists, and plasticizers; this term arises because they induce an increase in the size and number of peroxisomes. Peroxisomes are subcellular organelles found in plants and animals that contain enzymes for respiration and for cholesterol and lipid metabolism. The action of peroxisome proliferators is thought to be mediated via specific receptors, called PPARs, which belong to the steroid hormone receptor superfamily. PPARs affect the expression of target genes involved in cell proliferation, cell differentiation and in immune and inflammation responses. Three closely related subtypes (alpha, beta/delta, and gamma) have been identified. This gene encodes the subtype PPAR-alpha, which is a nuclear transcription factor. Multiple alternatively spliced transcript variants have been described for this gene, although the full-length nature of only two has been determined.

## Product Information

| Source | Purification |
|---|---|
| *E. coli* | > 90% by SDS-PAGE. |

| Calculated MW | Observed MW |
|---|---|
| 31.36 kDa | 25-35 kDa |

**Endotoxin**
< 1.0 EU/μg of the protein by LAL method.

**Formulation**
Lyophilized from a 0.22 μm filtered solution of PBS, 10% Glycerol, 0.5% SKL, pH 8.0. Contact us for customized product form or formulation.

**Reconstitution**
Please contact us for reconstitution instructions.

## Basic Information

**Description**
Recombinant Human PPAR-alpha//NR1C1 Protein is produced by *E. coli* expression system. The target protein is expressed with sequence (Thr200-Tyr468) of human PPAR-alpha//NR1C1 (Accession #Q07869) fused with a His tag at the N-terminus.

**Bio-Activity**

**Storage**
Store at -20℃.Store the lyophilized protein at -20℃ to -80 ℃ up to 1 year from the date of receipt.
After reconstitution, the protein solution is stable at -20℃ for 3 months, at 2-8℃ for up to 1 week.
Avoid repeated freeze/thaw cycles.

## Contact


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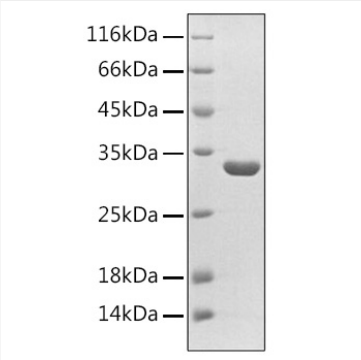
## Validation Data




Recombinant Human PPAR-alpha//NR1C1 Protein was determined by SDS-PAGE with Coomassie Blue, showing a band at 25-35 kDa.