

Recombinant Human PPARA Protein, His-tagged

Cat. No. PPARA-2610H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human PPARA Protein (Glu282-Tyr468) with a N-His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Glu282-Tyr468
Description	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.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 24.9 kDa

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	Accurate Molecular Mass: 25 kDa
Endotoxin	<1.0 EU per 1g (determined by the LAL method).
Purity	> 95%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

Gene Name	PPARA peroxisome proliferator-activated receptor alpha [Homo sapiens (human)]
Official Symbol	PPARA
Synonyms	PPARA; peroxisome proliferator-activated receptor alpha; peroxisome proliferative activated receptor, alpha, PPAR; hPPAR; NR1C1; PPAR-alpha; nuclear receptor subfamily 1 group C member 1; peroxisome proliferative activated receptor, alpha;

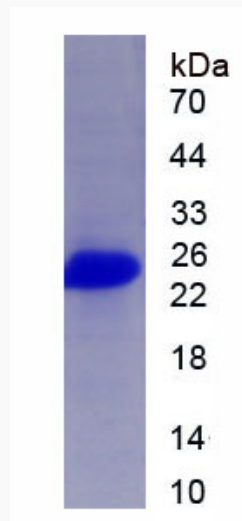
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peroxisome proliferator-activated nuclear receptor alpha variant 3; PPAR;
PPARalpha; MGC2237; MGC2452;

Gene ID	5465
mRNA Refseq	NM_001001928
Protein Refseq	NP_001001928
MIM	170998
UniProt ID	Q07869



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