

Recombinant Human PPARA Protein, His-tagged

Cat. No. PPARA-02H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant human PPAR α ligand-binding domain (170-430) with a His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	170-430 a.a.
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.
Molecular Mass	~34 kDa/subunit
Purity	≥55%

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Stability	≥ 1 year
Storage	At -80 centigrade.
Storage Buffer	50 mM sodium phosphate, pH 7.2, with 20% glycerol and 100 mM sodium chloride
Full Length	Full L.

GENE INFORMATION

Gene Name	PPARA peroxisome proliferator activated receptor alpha [Homo sapiens (human)]
Official Symbol	PPARA
Synonyms	PPARA; peroxisome proliferator activated receptor alpha; PPAR; NR1C1; hPPAR; PPARalpha; peroxisome proliferator-activated receptor alpha; PPAR-alpha; nuclear receptor subfamily 1 group C member 1; peroxisome proliferative activated receptor, alpha; peroxisome proliferator-activated nuclear receptor alpha variant 3
Gene ID	5465
mRNA Refseq	NM_005036
Protein Refseq	NP_005027
MIM	170998
UniProt ID	Q07869

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