

Recombinant Rat Ppara Protein, His&GST-tagged

Cat. No. Ppara-1960R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat Ppara Protein (Ser280-Leu433) with N-His&GST tag was expressed in E. coli.
Species	Rat
Source	E.coli
ProteinLength	Ser280-Leu433
Description	Enables several functions, including MDM2/MDM4 family protein binding activity; NFAT protein binding activity; and nuclear receptor activity. Involved in several processes, including behavioral response to nicotine; negative regulation of cell growth involved in cardiac muscle cell development; and response to ethanol. Located in nucleus. Used to study hepatocellular carcinoma; hypertension; hypertensive encephalopathy; and periodontitis. Biomarker of alcoholic hepatitis; fatty liver disease; hydrocephalus; and hypertension. Human ortholog(s) of this gene implicated in Alzheimer's disease; coronary artery disease; hepatocellular carcinoma; lipid metabolism disorder; and myocardial infarction. Orthologous to human PPARA (peroxisome proliferator activated receptor alpha).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 47.4 kDa Accurate Molecular Mass: 47 kDa

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Purity	> 90%
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 [Rattus norvegicus (Norway rat)]
Official Symbol	Ppara
Synonyms	PPARA; peroxisome proliferator activated receptor alpha; peroxisome proliferator-activated receptor alpha; PPAR-alpha; nuclear receptor subfamily 1 group C member 1; PPAR;
Gene ID	25747

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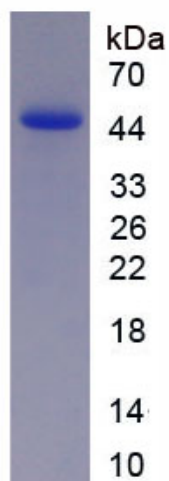
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mRNA Refseq	NM_013196
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Protein Refseq	NP_037328
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UniProt ID	P37230
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