

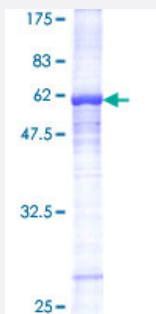
Full-Length

PPARA (Human) Recombinant Protein (P01)

Catalog # H00005465-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human PPARA full-length ORF (AAH00052, 1 a.a. - 258 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	MVDTESPLCPLSPLEAGDLESPLSEEFLLQEMGNIQEISQSIGEDSSGSFGFTEYQYLGSCPGSDG SVITD TLSPASSPSSVTYPVVPGSVDESPSGALNIECRICGDKASGYHYGVHACEGCKGFFRRTIR LKLVDKCDRSCKIQKKNRNKCQYCRFHKCLSVGRSHNAIRFGRMPRSEKAKLKAELTCEHDIED SETADLKSLAKRIYEAYLKNFNMNKVKARVILSGKASNNPVGVCSCGFSWQHGTSVVEDD
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	54.12
Preparation Method	in vitro wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — PPARA

Entrez GeneID [5465](#)

GeneBank Accession# [BC000052](#)

Protein Accession# [AAH00052](#)

Gene Name PPARA

Gene Alias MGC2237, MGC2452, NR1C1, PPAR, hPPAR

Gene Description peroxisome proliferator-activated receptor alpha

Omim ID [170998](#)

Gene Ontology [Hyperlink](#)

Gene Summary

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. [provided by RefSeq]

Other Designations OTTHUMP00000028713|OTTHUMP00000042872|peroxisome proliferative activated receptor, alpha|peroxisome proliferator activated receptor alpha

Pathway

- [Adipocytokine signaling pathway](#)
- [PPAR signaling pathway](#)

Disease

- [Adenocarcinoma](#)
- [Alzheimer disease](#)
- [Arterial Occlusive Diseases](#)
- [Arteriosclerosis](#)
- [Atherosclerosis](#)
- [Body Weight](#)
- [Brain Ischemia](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Calcinosis](#)
- [Carcinoma](#)
- [Cardiovascular Diseases](#)
- [Chorioamnionitis](#)
- [Coronary Artery Disease](#)
- [Coronary Disease](#)
- [Coronary Restenosis](#)
- [Coronary Stenosis](#)
- [Dementia](#)
- [Diabetes Complications](#)
- [Diabetes Mellitus](#)
- [Diabetic Angiopathies](#)
- [Disease Progression](#)

- [Drug Toxicity](#)
- [Dyslipidemias](#)
- [Edema](#)
- [Esophageal Neoplasms](#)
- [Esophagitis](#)
- [Fatty Liver](#)
- [Fetal Membranes](#)
- [Genetic Predisposition to Disease](#)
- [Glomerulonephritis](#)
- [Glucose Metabolism Disorders](#)
- [Hepatitis C](#)
- [Hypercholesterolemia](#)
- [Hyperglycemia](#)
- [Hyperlipidemia](#)
- [Hyperlipidemias](#)
- [Hypertension](#)
- [Hypertriglyceridemia](#)
- [Hypertrophy](#)
- [Inflammation](#)
- [Insulin Resistance](#)
- [Kidney Failure](#)
- [Liver Cirrhosis](#)
- [Liver Neoplasms](#)
- [Lung Neoplasms](#)
- [Metabolic Syndrome X](#)
- [Multiple Sclerosis](#)

- [Myocardial Infarction](#)
- [Neoplasms](#)
- [Obesity](#)
- [Obstetric Labor](#)
- [Osteoporosis](#)
- [Peripheral Vascular Diseases](#)
- [Polycystic Ovary Syndrome](#)
- [Pre-Eclampsia](#)
- [Premature Birth](#)
- [Prostate cancer](#)
- [Prostatic Neoplasms](#)
- [Psoriasis](#)
- [Psychomotor Performance](#)
- [Radiation Injuries](#)
- [Radiation Pneumonitis](#)
- [Syndrome](#)
- [Task Performance and Analysis](#)
- [Thrombosis](#)
- [Tobacco Use Disorder](#)
- [Ventricular Dysfunction](#)