

Bioactive

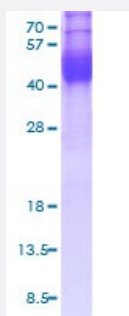
HuPro®

PON1 (Human) Recombinant Protein

Catalog # P6980

Size 100 ug

Applications



Specification

Product Description	Human PON1 (NP_000437, 16 a.a.- 355 a.a.) partial recombinant protein with C-terminal His tag expressed in HEK293 cells.
Host	Human
Theoretical MW (kDa)	39
Form	Liquid
Preparation Method	Mammalian cell (HEK293) expression system
Purity	> 90% by SDS-PAGE
Endotoxin Level	< 1 EU per 1 ug of protein (determined by LAL method).
Activity	Specific activity is > 2,500 pmol/min/ug, and is defined as the amount of enzyme that hydrolyze 1 pmole of p-nitrophenyl acetate to p-nitrophenol per minute at pH7.5 at 37°C.
Quality Control Testing	3 ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.
Recommend Usage	SDS-PAGE The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.4 (20% glycerol).

Storage Instruction

Store at 2°C to 8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C.
Aliquot to avoid repeated freezing and thawing.

Applications

- SDS-PAGE

Gene Info — PON1

Entrez GeneID [5444](#)

Protein Accession# [NP_000437](#)

Gene Name PON1

Gene Alias ESA, PON

Gene Description paraoxonase 1

Omim ID [168820](#)

Gene Ontology [Hyperlink](#)

Gene Summary The enzyme encoded by this gene is an arylesterase that mainly hydrolyzes paroxon to produce p-nitrophenol. Paroxon is an organophosphorus anticholinesterase compound that is produced in vivo by oxidation of the insecticide parathion. Polymorphisms in this gene are a risk factor in coronary artery disease. The gene is found in a cluster of three related paraoxonase genes at 7q21.3. [provided by RefSeq]

Other Designations arylesterase B-type|esterase A|paraoxonase B-type|serum arylalkylphosphatase

Pathway

- [Bisphenol A degradation](#)
- [gamma-Hexachlorocyclohexane degradation](#)
- [Metabolic pathways](#)

Disease

- [Adenocarcinoma](#)

- [Adrenal hyperplasia](#)
- [Albuminuria](#)
- [Alzheimer disease](#)
- [Amyotrophic lateral sclerosis](#)
- [Angina Pectoris](#)
- [Aortic Aneurysm](#)
- [Arsenic Poisoning](#)
- [Arteriosclerosis](#)
- [Arthritis](#)
- [Asthma](#)
- [Astrocytoma](#)
- [Atherosclerosis](#)
- [Autistic Disorder](#)
- [Birth Weight](#)
- [Body Weight](#)
- [Brain Diseases](#)
- [Brain Ischemia](#)
- [Brain Neoplasms](#)
- [Breast cancer](#)
- [Breast Diseases](#)
- [Breast Neoplasms](#)
- [Calcinosis](#)
- [Cardiovascular Diseases](#)
- [Carotid Artery Diseases](#)
- [Carotid Stenosis](#)
- [Cerebral Amyloid Angiopathy](#)

- [Cerebral Hemorrhage](#)
- [Cerebral Infarction](#)
- [Cerebrovascular Accident](#)
- [Cerebrovascular Disorders](#)
- [Chorioamnionitis](#)
- [Chronic Disease](#)
- [Cleft Lip](#)
- [Cleft Palate](#)
- [Cognition](#)
- [Colorectal Neoplasms](#)
- [Connective Tissue Diseases](#)
- [Constriction](#)
- [Coronary Artery Disease](#)
- [Coronary Disease](#)
- [Coronary Restenosis](#)
- [Coronary Stenosis](#)
- [Coronary Vasospasm](#)
- [Death](#)
- [Dementia](#)
- [Depressive Disorder](#)
- [Diabetes Complications](#)
- [Diabetes Mellitus](#)
- [Diabetic Angiopathies](#)
- [Diabetic Nephropathies](#)
- [Diabetic Retinopathy](#)
- [Disease Progression](#)

- [Disease Susceptibility](#)
- [DNA Damage](#)
- [Drug Toxicity](#)
- [Edema](#)
- [Environmental Illness](#)
- [Esophageal Neoplasms](#)
- [Essential Tremor](#)
- [Femur Head Necrosis](#)
- [Fetal Diseases](#)
- [Fetal Growth Retardation](#)
- [Fetal Membranes](#)
- [Genetic Predisposition to Disease](#)
- [Glaucoma](#)
- [Glioma](#)
- [Glomerulonephritis](#)
- [Glomerulosclerosis](#)
- [Head and Neck Neoplasms](#)
- [Hearing Loss](#)
- [Heart Diseases](#)
- [Helicobacter Infections](#)
- [Hepatitis C](#)
- [HIV Infections](#)
- [Hyperandrogenism](#)
- [Hypercholesterolemia](#)
- [Hyperemia](#)

- [Hyperglycemia](#)
- [Hyperhomocysteinemia](#)
- [Hyperlipidemias](#)
- [Hyperlipoproteinemia Type II](#)
- [Hypertension](#)
- [Hypertriglyceridemia](#)
- [Hypertrophy](#)
- [Hypoxia-Ischemia](#)
- [Infection](#)
- [Inflammation](#)
- [Inflammatory Bowel Diseases](#)
- [Insulin Resistance](#)
- [Intracranial Arteriosclerosis](#)
- [Kidney Diseases](#)
- [Kidney Failure](#)
- [Liver Diseases](#)
- [Lung Neoplasms](#)
- [Lupus Erythematosus](#)
- [Lupus Nephritis](#)
- [Lymphoma](#)
- [Macular Degeneration](#)
- [Memory](#)
- [Meningeal Neoplasms](#)
- [Meningioma](#)
- [Metabolic Diseases](#)
- [Metabolic Syndrome X](#)
- [Microvascular Angina](#)

- [Mouth Diseases](#)
- [Multiple Chemical Sensitivity](#)
- [Multiple Myeloma](#)
- [Multiple Sclerosis](#)
- [Musculoskeletal Diseases](#)
- [Myocardial Infarction](#)
- [Myocardial Ischemia](#)
- [Neoplasm Recurrence](#)
- [Neoplasms](#)
- [Nephritis](#)
- [Nephrotic Syndrome](#)
- [Neuroectodermal Tumors](#)
- [Obesity](#)
- [Obstetric Labor](#)
- [Occupational Diseases](#)
- [Osteoporosis](#)
- [Ovarian cancer](#)
- [Ovarian Neoplasms](#)
- [Pain](#)
- [Pancreatitis](#)
- [Parkinson disease](#)
- [Polycystic Ovary Syndrome](#)
- [Postoperative Complications](#)
- [Pre-Eclampsia](#)
- [Pregnancy Complications](#)
- [Premature Birth](#)

- [Prenatal Exposure Delayed Effects](#)
- [Prostate cancer](#)
- [Prostatic Neoplasms](#)
- [Proteinuria](#)
- [Psychomotor Performance](#)
- [Purpura](#)
- [Recurrence](#)
- [Renal Insufficiency](#)
- [Schizophrenia](#)
- [Skin Diseases](#)
- [Stroke](#)
- [Substance-Related Disorders](#)
- [Syndrome](#)
- [Thrombosis](#)
- [Tobacco Use Disorder](#)
- [Uremia](#)
- [Urinary Bladder Neoplasms](#)
- [Vascular Diseases](#)
- [Virilism](#)
- [Vision](#)
- [Werner syndrome](#)
- [Wet Macular Degeneration](#)