

Recombinant Human PON1, His-tagged

Cat. No. PON1-27936TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length PON1 protein (Human) with an amino-terminal hexahistidine tag.
Species	Human
Source	E.coli
Description	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.
Conjugation	HIS
Tissue specificity	Plasma, associated with HDL (at protein level). Expressed in liver, but not in heart, brain, placenta, lung, skeletal muscle, kidney or pancreas.
Form	Liquid
Purity	>95% by SDS-PAGE
Storage buffer	Preservative: None Constituents: 50% Glycerol, 20mM Tris, pH 8
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.

 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

Sequence Similarities Belongs to the paraoxonase family.

GENE INFORMATION

Gene Name [PON1 paraoxonase 1 \[Homo sapiens \]](#)

Official Symbol [PON1](#)

Synonyms PON1; paraoxonase 1; PON; serum paraoxonase/arylesterase 1; ESA; esterase A;

Gene ID [5444](#)

mRNA Refseq [NM_000446](#)

Protein Refseq [NP_000437](#)

Uniprot ID [P27169](#)

Chromosome Location 7q21.3

Pathway Metabolic pathways, organism-specific biosystem;

Function aryldialkylphosphatase activity; arylesterase activity; arylesterase activity; calcium ion binding; hydrolase activity;

 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