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: NoneConstituents: 50% Glycerol, 20mM Tris, pH 8
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.

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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;

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