

## Active Recombinant Human PON1 protein, His-tagged

Cat. No. PON1-07H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Active Recombinant Human PON1 protein(P27169)(35~206 aa), fused with N-terminal His tag, was expressed in E.coli.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	35-206 aa
<b>Form</b>	Lyophilized from sterile 20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
<b>Bio-activity</b>	<p>Paraoxonase 1 (PON1) is responsible for hydrolysing organophosphate pesticides and nerve gasses. PON1 (paraoxonase 1) is also a major anti-atherosclerotic component of high-density lipoprotein (HDL). Besides, Clusterin (CLU) has been identified as an interactor of PON1, thus a binding ELISA assay was conducted to detect the interaction of recombinant human PON1 and recombinant human CLU. Briefly, PON1 were diluted serially in PBS, with 0.01% BSA (pH 7.4). Duplicate samples of 100uL were then transferred to CLU-coated microtiter wells and incubated for 2h at 37°C. Wells were washed with PBST and incubated for 1h with anti-PON1 pAb, then aspirated and washed 3 times. After incubation with HRP labelled secondary antibody, wells were aspirated and washed 3 times. With the addition of substrate solution, wells were incubated 15-25 minutes at 37°C. Finally, add 50μ stop solution to the wells and read at 450nm immediately. The binding activity of of PON1</p>

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

and CLU was shown, and this effect was in a dose dependent manner.

<b>Molecular Mass</b>	20.6kDa
<b>Purity</b>	> 97% as determined by SDS-PAGE.
<b>Storage</b>	Avoid repeated freeze/thaw cycles. Store at -20°C for 12 months. Aliquot and store at -80°C for 12 months.
<b>Reconstitution</b>	Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

## GENE INFORMATION

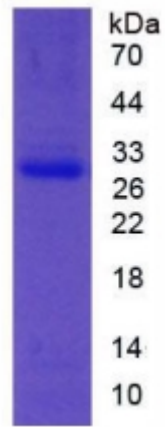
<b>Gene Name</b>	PON1 paraoxonase 1 [ Homo sapiens ]
<b>Official Symbol</b>	PON1
<b>Synonyms</b>	PON1; paraoxonase 1; PON; serum paraoxonase/arylesterase 1; ESA; esterase A; K-45; PON 1; A-esterase 1; paraoxonase B-type; aromatic esterase 1; arylesterase B-type; serum aryldiacylphosphatase; serum aryldialkylphosphatase 1; MVCD5;
<b>Gene ID</b>	5444
<b>mRNA Refseq</b>	NM_000446
<b>Protein Refseq</b>	NP_000437
<b>UniProt ID</b>	P27169

 Tel: 1-631-559-9269 1-516-512-3133

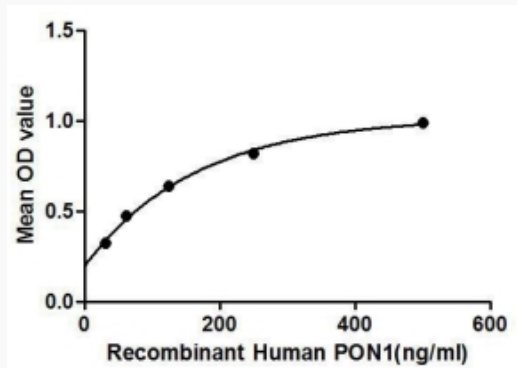
 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

**SDS-PAGE**



**Activity**



 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA