

# Recombinant Human PON1 Protein, MYC/DDK-tagged

**Cat. No.** PON1-33H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                             |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human PON1 Protein is produced by HEK293T expression system. This protein is fused with a C-MYC/DDK tag.                                                                                                                                                                                                                                                                                                        |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Description</b>      | 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.                            |
| <b>Form</b>             | 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Molecular Mass</b>   | 39.6 kDa                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>AA Sequence</b>      | MAKLIALTLLGMGLALFRNHQSSYQTRLNALREVQPVELPNCNLVKGIETGSEDLEIL<br>PNGLAFISSGLKYPGIKSFNPNSPGKILLMDLNEEDPTVLELGITGSKFDVSSFNPHGI<br>STFTDEDNAMYLLVVNHPDAKSTVELFKFQEEEEKSLLHLKTIRHKLLPNLNDIVAVGP<br>EHFYGTNDHYFLDPYLQSWEMYLGLAWSYVVVYSPSEVRVVAEGFDFANGINISPD<br>GKYVYIAELLAHKIHVYEKHANWTLTPLKSLDFNTLVDNISVDPETGDLWVGCHPNG<br>MKIFFYDSENPPASEVLRIQNILTEEPKVTQVYAENGTVLQGSTVASVYKGKLLIGTVF<br>HKALYCELTRTRPLEQKLISEEDLAANDILDYKDDDDKV |

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|                      |                                                                                            |
|----------------------|--------------------------------------------------------------------------------------------|
| <b>Purity</b>        | > 80% as determined by SDS-PAGE and Coomassie blue staining                                |
| <b>Notes</b>         | Avoid repeated freeze-thaw cycles.                                                         |
| <b>Stability</b>     | Stable for 3 months from receipt of products under proper storage and handling conditions. |
| <b>Storage</b>       | Store at –80 centigrade.                                                                   |
| <b>Concentration</b> | >50 ug/mL as determined by microplate BCA method                                           |

## GENE INFORMATION

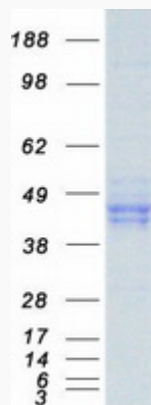
|                        |                                                                                                  |
|------------------------|--------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | PON1 paraoxonase 1 [ Homo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

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PON1-33H, 1



Purified recombinant protein PON1 was analyzed by SDS-PAGE gel and Coomossie Blue Staining.

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