

Recombinant Human PON1 Protein (2-355 aa), GST-tagged

Cat. No. PON1-732H Lot. No. (See product label)

SPECIFICATION

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|-------------------------|---|
| Product Overview | Recombinant Human PON1 Protein (2-355 aa) is produced by E. coli expression system. This protein is fused with a GST tag at the N-terminal. Research Area: Cardiovascular. Protein Description: Full Length of Mature Protein. |
| Species | Human |
| Source | E.coli |
| ProteinLength | 2-355 aa |
| Description | Hydrolyzes the toxic metabolites of a variety of organophosphorus insecticides. Capable of hydrolyzing a broad spectrum of organophosphate substrates and lactones, and a number of aromatic carboxylic acid esters. Mediates an enzymatic protection of low density lipoproteins against oxidative modification and the consequent series of events leading to atheroma formation. |
| Form | Tris-based buffer, 50% glycerol |
| Molecular Mass | 66.6 kDa |
| AA Sequence | AKLIALTLLGMGLALFRNHQSSYQTRLNALREVQPVELPNCNLVKG IETGSEDL EILP NGLAFISSGLKYPGIKSFNPNSPGKILLMDLNEEDPTVLELGITGSKFDVSSFNPHGIS TFTDEDNAMYLLVNVHPDAKSTVELFKFQEEKSLHLK TIRHKLLPNLNDIVAVGPE HFYGTNDHYFLDPYLQSWEMYLGLAWSYVVYSPSEVRVVAEGFDFANGINISPDG KYVYIAELLAHKIHVYEK HANWTLTPLKSLDFNTLVDNISVDPETGDLWVGCHPNGM |

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| | |
|----------------------|---|
| | KIFFYDSENPPASEVLRIQNILTEEPKVTQVYAENGTVLQGSTVASVYK GKLLIGTVFH KALYCEL |
| Purity | > 90% as determined by SDS-PAGE. |
| Notes | Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week. |
| Storage | The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade. |
| Concentration | A hardcopy of COA with concentration instruction is sent along with the products. |

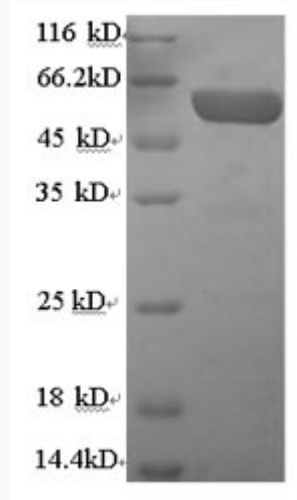
GENE INFORMATION

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|------------------------|-------------------------------------|
| Gene Name | PON1 paraoxonase 1 [Homo sapiens] |
| Official Symbol | PON1 |
| Synonyms | PON1; PON; ESA; K-45; PON 1; MVCD5; |
| Gene ID | 5444 |
| mRNA Refseq | NM_000446 |
| Protein Refseq | NP_000437 |
| UniProt ID | P27169 |

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(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

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