

Recombinant Human PON1 Protein, MYC/DDK-tagged

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

SPECIFICATION

Product Overview Recombinant Human PON1 Protein is produced by HEK293T expression system. This protein is fused with a C-MYC/DDK tag.

Species Human

Source HEK293

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.

Form 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

Molecular Mass 39.6 kDa

AA Sequence

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

GENE INFORMATION

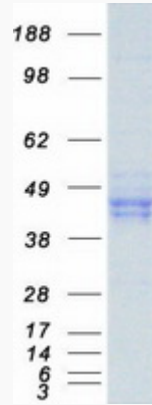
Gene Name	PON1 paraoxonase 1 [Homo sapiens]
Official Symbol	PON1
Synonyms	PON1; paraoxonase 1; PON; ESA; esterase A; K-45; PON 1; A-esterase 1; paraoxonase B-type; MVCD5;
Gene ID	5444
mRNA Refseq	NM_000446
Protein Refseq	NP_000437
UniProt ID	P27169

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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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