

Recombinant Human PON1, His-tagged

Cat. No. PON1-06H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length human PON1 was produced from the synthetic gene with the C-terminal 6xHis tag in Trichoplusia ni larval expression system.
Species	Human
Source	Trichoplusia Ni Larval
Description	PON1 hydrolyzes the toxic metabolites of a broad spectrum of organophosphate substrates. PON1 mediates an enzymatic protection of low density lipoproteins against oxidative modification and the consequent series of events leading to atheroma formation.
Form	1 mg/mL in 50 mM Tris, 200 mM NaCl, 2 mM CaCl ₂ , 0.2 µm filtered.
AA Sequence	MAKLIALTLL GMGLALFRNH QSSYQTRLNA LREVQPVELP NCNLVKGIET GSEDMEILPN GLAFISSGLK YPGIKSFNPN SPGKILLMDL NEEDPTVLEL GITGSKFDVS SFNPHGISTFTDEDNAMYLL VVNHPDAKST VELFKFQEEE KSLHLKTIR HKLLPNLNDI VAVGPEHFYD TNDHYFLDPY LQSWEMYGLL AWSYVVYYSP SEVRVVAEGF DFANGINISP DGKYVYIAELLAHKIHVYEK HANWTLTPLK SLDFNTLVND ISVDPETGDL WVGCHPNGMK IFFYDSENPP ASEVLRIQNI LTEEPKVTQV YAENGTVLQG STVASVYKGK LLIGTVFHKA LYCELHHHHHH
Purity	>90% as determined by SDS-PAGE

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Storage	Store at -80°C or colder upon arrival. Freeze-thaw cycles of this product should be avoided.
Full Length	Full L.
GENE INFORMATION	
Gene Name	PON1 paraoxonase 1 [Homo sapiens]
Official Symbol	PON1
Synonyms	ESA; PON; MVCD5; serum paraoxonase/arylesterase 1; K-45; PON 1; esterase A; A-esterase 1; arylesterase 1; paraoxonase B-type; aromatic esterase 1; arylesterase B-type; serum aryldiacylphosphatase; serum aryldialkylphosphatase 1
Gene ID	5444
mRNA Refseq	NM_000446
Protein Refseq	NP_000437
MIM	168820
UniProt ID	P27169
Chromosome Location	7q21.3
Pathway	Metabolic pathways, organism-specific biosystem; Phase I, non P450, organism-specific biosystem
Function	aryldialkylphosphatase activity; arylesterase activity; calcium ion binding

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