

## Recombinant Human Paraoxonase-1

<b>Catalog No.</b>	CSI12658 CSI12659 CSI12660	<b>Quantity:</b>	2 µg 10 µg 1.0 mg
<b>Alternate Names:</b>	Serum paraoxonase, arylesterase 1, EC 3.1.1.2, EC 3.1.8.1, PON 1, Serum arylalkylphosphatase 1, A-esterase 1, Aromatic esterase 1, K-45, ESA, PON.		
<b>Description:</b>	<p>Paraoxonase 1 also called Esterase-A is involved in the detoxification of organophosphate insecticides such as parathion. Paraoxonase 1 may also confer protection against coronary artery disease by destroying proinflammatory oxidized lipids present in oxidized low-density lipoproteins (LDLs).</p> <p>Paraoxonase-1 Isoform Human Recombinant is expressed in <i>E. coli</i> having a molecular weight of 42.9 kDa and fused to a 4.5kDa amino terminal hexahistidine tag. The PON1 purified by proprietary chromatographic techniques.</p>		
<b>Physical Appearance:</b>	Sterile Filtered clear solution.		
<b>Source:</b>	<i>E. coli</i>		
<b>Formulation:</b>	PON1 is supplied in 1xPBS, 50% glycerol.		
<b>Purity:</b>	Greater than 95% as determined by SDS-PAGE. Single band on Western Blot.		
<b>Amino Acid Sequence:</b>	MAKLIALTLLGMGLALFRNHQSSYQTRLNALREVQPVELPNCNLVKGIE TGSEDLLEILPNGLAFISSGLKYPGIKSFNPNSPGKILLMDLNEEDPTVLE LGITGSKFDVSSFNPHGISTFTDEDNAMYLLVNHHPDAKSTVELFKFQE EEKSLHLKTIRHKLLPNLNDIVAVGPEHFYGTNDHYFLDPYLRSWEM YLGLAWSYVVYSPSEVRVVAEGFDFANGINISPDGKYVYIAELLAHKIHV YEKHANWTLTPLKSLDFNTLVDNISVDPETGDLWVGCHPNGMKIFFYD SENPPASEVLRIQNILTEEPKVTQVYAENGTVLQGSTVASVYK GKLLIGT VFHKALYCELZ.		
<b>Applications:</b>	<p>Arylesterase 1 can be used directly as a positive control in Western blotting, ELISA, immunoprecipitation and other immunological experiments.</p> <p>The biological activity of this product has not yet been tested.</p>		
<b>Storage &amp; Stability:</b>	<p>Store at 4°C if entire vial will be used within 1-2 weeks.</p> <p>Store, frozen at -20°C for longer periods of time.</p> <p>Avoid multiple freeze-thaw cycles.</p>		

NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.