# PON2
# Recombinant Human Paraoxonase 2 His

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| **Catalog No.** | CSI10715 | **Quantity:** | 2 µg |
| | CSI10716 | | 10 µg |
| | CSI10717 | | 1.0 mg |

**Alternate Names:** Serum paraoxonase, arylesterase 2, PON 2, Serum aryldialkylphosphatase 2, A-esterase 2, Aromatic esterase 2.

**Description:** Paraoxonase 2 (PON2) is a member of a multigene family whose genes share 65% identity at the amino acid level, and is expressed in a variety of tissues, including the pancreas. PON2 overexpression has been shown to lower the intracellular oxidative state and reduce the cells ability to oxidize LDL. PON2 is therefore implicated in the modulation of oxidative stress.

Recombinant Human Paraoxonase-2 is expressed in *E. coli,* has a molecular weight of 43.5 kDa, and is fused to an N-terminal hexahistidine tag. It is purified by proprietary chromatographic techniques.

**Physical Appearance:** Sterile Filtered clear solution.

**Gene ID:** 5445

**Source:** *E. coli*

**Molecular Weight:** 43.5 kDa

**Formulation:** PON2 is supplied in PBS + 50% glycerol.

**Purity:** Greater than 95% as determined by SDS-PAGE.
Single band on Western Blot

**Amino Acid Sequence:** MGRLVAVGLL GIALALLGER LLALRNRLKA SREVESVDLP HCHLIKGIEA GSEDIDILPN GLAFFSVGLK FPGLHSFAPD KPGGILMMDL KEEKPRAREL RISRGFDLAS FNPHGISTFI DNDDTVYLFV VNHPEFKNTV EIFKFEEAEN SLLHLKTVKH ELLPSVNDIT AVGPAHFYAT NDHYFSDPFL KYLETYLNLH WANVVYYSPN EVKVVAEGFD SANGINISPD DKYIYVADIL AHEIHVLEKH TNMNLTQLKV LELDTLVDNL SIDPSSGDIW VGCHPNGQKL FVYDPNNPPS SEVLRIQNIL SEKPTVTTVY ANNGSVLQGS SVASVYDGKL LIGTLYHRAL YCELZ

**Applications:** Arylesterase 2 can be used directly as a positive control in Western blotting, ELISA, immunoprecipitation and other immunological experiments. The biological activity of this product has not yet been tested.

**Storage & Stability:** Store at 2-4°C if entire vial will be used within 1-2 weeks. Store, frozen at -20°C for longer periods of time. **Avoid multiple freeze-thaw cycles.**

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

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