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PON2 Human

Catalog #:ENPS-307

For research use only.

Description: Paraoxonase-2 Human Recombinant is expressed in E. coli having a molecular weight of 43.5 kDa and fused to an amino terminal hexahistidine tag.The PON2 purified by proprietary chromatographic techniques.

Synonyms: Serum paraoxonase, arylesterase 2, EC 3.1.1.2, EC 3.1.8.1, PON 2, Serum aryldialkylphosphatase 2, A-esterase 2, Aromatic esterase 2.

Source: Escherichia Coli.

Physical Appearance: Sterile Filtered clear solution.

Amino Acid Sequence:
MGRLVAVGLLGIALALLGERLLALRNRLKASREVESVDLPHCHLIKGIEAGSEDIDILPNGLAFFSVG
LKFPGLHSFAPDKPGGILMMDLKEEKPRARELRISRGFDLASFNPHGISTFIDNDDTVYLFVVNHP
EFKNTVEIFKFEEAENSLLHLKTVKHELLPSVNDITAVGPAHFYATNDHYFSDPFLKYLETYLNLHW
ANVVYYSPNEVKVVAEGFDSANGINISPDDKYIYVADILAHEIHVLEKHTNMNL

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

Formulation:
PON2 is supplied in PBS and 50% glycerol.

Usage:
NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drμgs, agricultural or pesticidal products, food additives or household chemicals.

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.

Introduction:
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.

Storage:
Store at 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.

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