

PON1 Human

Description: Paraoxonase-1 Isoform Human Recombinant is expressed in E. coli 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.

Catalog #: ENPS-306

For research use only.

Synonyms: 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.

Source: Escherichia Coli.

Physical Appearance: Sterile Filtered clear solution.

Amino Acid Sequence:

MAKLIALTLLGMLALFRNHQSSYQTRLNALREVQPVELPNCNLVKGIETGSEDLEILPNGLAFISS
GLKYPGIKSFNPNPSPGKILLMDLNEEDPTVLELGITGSKFDVSSFNPHGISTFTDEDNAMYLLVVNH
PDAKSTVELFKFQEEESLLHLKTIRHKLLPNLNDIVAVGPEHYGTNDHYFLDPYLRSWEMYLGL
AWSYVVYSPSEVRVVAEGFDFANGINISPDGKYVYIAELLAHKIHVYEKXANWT

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

Formulation:

PON1 is supplied in 1xPBS, 50% glycerol.

Usage:

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

Applications:

Arylesterase 1 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 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).

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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