
Product Data Sheet

Product Name: PON1 Human
Cat. No.: GP22121
Batch No.: 1

Product Data

Purity >98%

Source

Physical Appearance solid

Shipping Condition

Synonyms Serum paraoxonase; arylesterase 1; EC 3.1.1.2; EC 3.1.8.1; PON 1; Serum aryldialkylphosphatase 1; A-esterase 1; Aromatic esterase

Amino Acid Sequence MAKLIALTLLGMGLALFRNHQSSYQTRLNALREVQPVELPNCNLVKGIETGSEDLLEILPNGLAFISSGLKYPGIKSFNPNSPGKILLMDLNEEDPTVLELGITG

Formulation PON1 is supplied in 20mM Tris-HCl pH 8.0 and 50% glycerol.

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).

Stability

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.

Background

Paraoxonase-1 Isoform Human Recombinant is expressed in E. coli, fused to a 4.5kDa amino terminal hexahistidine tag, having a total molecular weight of 42.9kDa. The PON1 purified by proprietary chromatographic techniques.

Caution: Product has not been fully validated for medical applications. For research use only.

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