

Recombinant Human Paraoxonase 2, His-tagged

Cat. No. PON2-50H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human Paraoxonase-2 is expressed in <i>E. coli</i> having a molecular weight of 43.5 kDa and fused to an amino terminal hexahistidine tag. The PON2 purified by proprietary chromatographic techniques.
Species	Human
Source	E.coli
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.
Physical Appearance	Sterile Filtered clear solution.
Purity	Greater than 95% as determined by SDS-PAGE. Single band on Western Blot.
Formulation	0.1 mg/ml PON2 is supplied in PBS and 50% glycerol.
Application	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 Conditions	Store at 4°C if entire vial will be used within 1-2 weeks. Store, frozen at -20°C for

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longer periods of time. Avoid multiple freeze-thaw cycles.

GENE INFORMATION

Gene Name	PON2 paraoxonase 2 [Homo sapiens]
Synonyms	PON2; paraoxonase 2; paraoxonase nirs; Serum paraoxonase/arylesterase 2; EC=3.1.1.2; EC=3.1.8.1; Serum aryldialkylphosphatase 2; A-esterase 2; Aromatic esterase 2; EC 3.1.1.2; EC 3.1.8.1
Gene ID	5445
mRNA Refseq	NM_000305
Protein Refseq	NP_000296
MIM	602447
UniProt ID	Q15165
Chromosome Location	7q21.3
Pathway	gamma-Hexachlorocyclohexane degradation; Bisphenol A degradation; Metabolic pathways
Function	aryldialkylphosphatase activity; arylesterase activity; hydrolase activity; identical protein binding

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