

## PON1 Protein, Mouse, Recombinant

## General Information

Synonyms:	Serum paraoxonase/arylesterase 1;Serum aryldialkylphosphatase 1;PON 1;Pon;Pon1;Aromatic esterase 1 (A-esterase 1)
Protein Construction:	2-355 aa
Species:	Mouse
Expression Host:	E. coli
Accession:	P52430
Molecular Weight:	39.4 kDa (predicted)
AA Sequence:	AKLLALTLVGLVLALYKNHRSSYQTRLNAFREVTPVELPNCNLVKGIETGAEDLEILPGLTFFSTGLKYPGIKSF DPSKPGKILLMDLNKKEPAVSELEIIGNTLDISSFNPHGISTFTDEDNTVYLLVNHDPSSSTVEVFKFQEEERSL LHLKTITHELLPSINDIAAIGPESFYATNDHYFADPYLRSWEMYLGLSWSNVVYSPDKVQVVAEGFDFANGIG ISLDGKYVYIAELLAHKIHVYEKHWTLPLKVLNFDLVDNISVDPVTGDLWVGCHPNGMRIFFYDAENPP GSEVLRIQNILSEDPKITVVYAENGTVLQGTTVASVYKGLLIGTVFHKALYCDL

## QC Testing

Biological Activity:	Activity has not been tested. It is theoretically active, but we cannot guarantee it. If you require protein activity, we recommend choosing the eukaryotic expression version first.
Purity:	> 85% as determined by SDS-PAGE.
Endotoxin:	< 1.0 EU/μg of the protein as determined by the LAL method.
Formulation:	Tris-based buffer, 50% glycerol

## Preparation and Storage

## Reconstitution:

A Certificate of Analysis (CoA) containing reconstitution instructions is included with the products. Please refer to the CoA for detailed information.

## Stability &amp; Storage:

Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

## Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

## Protein Background

Hydrolyzes the toxic metabolites of a variety of organophosphorus insecticides. Capable of hydrolyzing a broad spectrum of organophosphate substrates and lactones, and a number of aromatic carboxylic acid esters. Mediates

an enzymatic protection of low density lipoproteins against oxidative modification.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481