



# Recombinant Human Serum paraoxonase/arylesterase 1 (PON1)

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|--------------------------|---|
| <b>Product Code</b>      | CSB-MP018369HU  |
| <b>Storage</b>           | Store at -20°C, for extended storage, conserve at -20°C or -80°C.   |
| <b>Uniprot No.</b>       | P27169  |
| <b>Product Type</b>      | Recombinant Protein   |
| <b>Immunogen Species</b> | Homo sapiens (Human)  |
| <b>Purity</b>            | ≥85% (SDS-PAGE)   |
| <b>Sequence</b>          | AKLIALTLL GMGLALFRNH QSSYQTRLNA LREVQPVELP NCNLVKGIE<br>T GSEDL EILPN GLAFISSGLK YPGIKSFNPN SPGKILLMDL NEEDPTVLE<br>L GITGSKFDVS SFNPHGISTF TDEDNAMYLL VVNHPDAKST VELFKFQEE<br>E KSLHLKTIR HKLLPNLNDI VAVGPEHFYG TNDHYFLDPY LQSWEMYLGL<br>AWSYVVYYSP SEVRVVAEGF DFANGINISP DGKYVYIAEL LAHKIHVYE<br>K HANWTLTPLK SLDFNTLVDN ISVDPETGDL WVGCHPNGMK IFFYDSE<br>NPP ASEVLRIQNI LTEEPKVTQV YAENGTVLQG STVASVYK GK LLIGTV<br>FHKA LYCEL |
| <b>Source</b>            | Mammalian cell  |
| <b>Target Names</b>      | PON1  |
| <b>Protein Names</b>     | Recommended name: Serum paraoxonase/arylesterase 1 Short name= PON 1<br>EC= 3.1.1.2 EC= 3.1.1.81 EC= 3.1.8.1 Alternative name(s): Aromatic esterase 1<br>Short name= A-esterase 1 K-45 Serum aryldialkylphosphatas  |
| <b>Expression Region</b> | 2-355   |
| <b>Notes</b>             | Repeated freezing and thawing is not recommended. Store working aliquots at<br>4°C for up to one week.  |
| <b>Tag Info</b>          | Tag type will be determined during the manufacturing process.   |
| <b>Protein Length</b>    | Full Length of Mature Protein   |
| <b>Target Details</b>    | The enzyme encoded by this gene is an arylesterase that mainly hydrolyzes<br>paroxon to produce p-nitrophenol. Paroxon is an organophosphorus<br>anticholinesterase compound that is produced in vivo by oxidation of the<br>insecticide parathion. Polymorphisms in this gene are a risk factor in coronary<br>artery disease. The gene is found in a cluster of three related paraoxonase<br>genes at 7q21.3.                   |
| <b>Reconstitution</b>    | We recommend that this vial be briefly centrifuged prior to opening to bring the<br>contents to the bottom. Please reconstitute protein in deionized sterile water to a<br>concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final<br>concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final<br>concentration of glycerol is 50%. Customers could use it as reference.           |
| <b>Shelf Life</b>        | The shelf life is related to many factors, storage state, buffer ingredients,<br>storage temperature and the stability of the protein itself.   |



Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.