



# Recombinant Rat Serum paraoxonase/arylesterase 1 (Pon1)

<b>Product Code</b>	CSB-MP345837RA
<b>Storage</b>	The shelf life is related to many factors, storage state, buffer ingredients, 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.
<b>Uniprot No.</b>	P55159
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Rattus norvegicus (Rat)
<b>Purity</b>	≥85% (SDS-PAGE)
<b>Sequence</b>	AKLLGLTLV GLVLALYKNH RSSYQTRLNA FREVTPVDLP NCTLVKGIEA GAEDLEILPN GLTFFSTGLK YPGIKSFDPS KPGKILLMDL NEKEPAVSEL AIMGNTLDMS SFNPHGISTF IDEENTVYLL VVSHPDSSST VEVFKFQEEE RSLHLKTIT HELLPSINDI AAVGPESFYA TNDHYFADPY LRSWEMYLGL SWSNVVYYSP DKVRVADGF DFANGIGISL DGKYVYIAEL LAHKIHVYEK HANWTLTPLK VLSFDTLVDN ISVDPVTGDL WVGCHPNGMR IFFYDSENPP GSEVLRIQSI LSEDPKVTVV YAENGTVLQG TTVAAYKKGK LLIGTVFHRA LCCDL
<b>Source</b>	Mammalian cell
<b>Target Names</b>	Pon1
<b>Protein Names</b>	Recommended name: Serum paraoxonase/arylesterase 1 Short name= PON 1 EC= 3.1.1.2 EC= 3.1.1.81 EC= 3.1.8.1 Alternative name(s): Aromatic esterase 1 Short name= A-esterase 1 Serum aryldialkylphosphatase 1
<b>Expression Region</b>	2-355
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 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 paroxon to produce p-nitrophenol. Paroxon is an organophosphorus anticholinesterase compound that is produced in vivo by oxidation of the insecticide parathion. Polymorphisms in this gene are a risk factor in coronary artery disease. The gene is found in a cluster of three related paraoxonase genes at 7q21.3.
<b>Reconstitution</b>	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final



concentration of glycerol is 50%. Customers could use it as reference.

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