



Recombinant Rat Serum paraoxonase/arylesterase 2 (Pon2)

Product Code	CSB-EP728097RA
Abbreviation	Pon2
Storage	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.
Uniprot No.	Q6AXM8
Product Type	Recombinant Protein
Immunogen Species	Rattus norvegicus (Rat)
Purity	≥85% (SDS-PAGE)
Sequence	MGRLVALSLL GIGLALLGER FLALRSRLKA SREVESVDLP NCRLIKGIET GAEDIDILPN GLAFFSVGLK FPGLHSFAPD KPGGILMMDL KEEKPRALEL RVSWGFDLAS FNPHGISTFI DDDDTVYLFV VNHPEFKNTV EIFKFQEEEN SLLHLKTIKH ELLPSVNDVI AVGPSHFYAT NDHYFSDPFL KYLETYLNLR WANVVYYSPE EVKLVAEGFD SANGINISPD KKYVYVADIL AHEIHVLEKQ PNMNLTLQKV LQLGTLVDNL SIDPSSGDIW VGCHPNGQKL FVYDPNHPPS SEVLRIQNIL SEKPSVTTVY INNGSVLQGS SVATYDRKL LVGTLYQRAL YCEL
Source	E.coli
Target Names	Pon2
Protein Names	Recommended name: Serum paraoxonase/arylesterase 2 Short name= PON 2 EC= 3.1.1.2 EC= 3.1.1.81 Alternative name(s): Aromatic esterase 2 Short name= A-esterase 2 Serum aryldialkylphosphatase 2
Expression Region	1-354
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	full length protein
Target Details	This gene encodes a member of the paraoxonase gene family, which includes three known members located adjacent to each other on the long arm of chromosome 7. The encoded protein is ubiquitously expressed in human tissues, membrane-bound, and may act as a cellular antioxidant, protecting cells from oxidative stress. Hydrolytic activity against acylhomoserine lactones, important bacterial quorum-sensing mediators, suggests the encoded protein may also play a role in defense responses to pathogenic bacteria. Mutations in this gene may be associated with vascular disease and a number of quantitative phenotypes related to diabetes. Alternatively spliced transcript variants encoding



different isoforms have been described.

Reconstitution

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.

Shelf Life

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.