



# Recombinant Rat Interleukin-1 receptor antagonist protein (Il1rn)

<b>Product Code</b>	CSB-EP011628RA
<b>Storage</b>	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
<b>Uniprot No.</b>	P25086
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Rattus norvegicus (Rat)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	HPAG KRPCMKQAFR IWDTNQKTFY LRNNQLIAGY LQGPNTKLEE KIDMVPIDFR NVFLGIHGGK LCLSCVKSGD DTKLQLEEVN ITDLNKNKEE DKRFTFIRSE TGPTTSFESL ACPGWFLCTT LEADHPVSLT NTPKEPCTVT KFYFQEDQ
<b>Source</b>	E.coli
<b>Target Names</b>	Il1rn
<b>Protein Names</b>	Recommended name: Interleukin-1 receptor antagonist protein Short name= IL-1RN Short name= IL-1ra Short name= IRAP Alternative name(s): IL1 inhibitor
<b>Expression Region</b>	27-178
<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>	This protein is a member of the interleukin 1 cytokine family. This protein inhibits the activities of interleukin 1, alpha (IL1A) and interleukin 1, beta (IL1B), and modulates a variety of interleukin 1 related immune and inflammatory responses. This gene and five other closely related cytokine genes form a gene cluster spanning approximately 400 kb on chromosome 2. A polymorphism of this gene is reported to be associated with increased risk of osteoporotic fractures and gastric cancer. Four alternatively spliced transcript variants encoding distinct isoforms have been reported.
<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.
<b>Shelf Life</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.