

## 32-1379: rIL 1RA Recombinant Protein

**Alternative Name :** IRAP,IL1F3,IL1RA,IL-1ra3,ICIL-1RA,IL1RN,IL1 inhibitor,IL-1ra,MGC10430.

### Description

Source : Escherichia Coli. IL 1RA Rat Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 152 amino acids and having a molecular mass of 17.5kDa.The IL 1RA Rat is purified by proprietary chromatographic techniques. Interleukin-1 ra 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.

### Product Info

<b>Amount :</b>	20 µg
<b>Purification :</b>	Greater than 95.0% as determined by SDS-PAGE.
<b>Content :</b>	Lyophilized from a 0.2µm filtered concentrated solution in PBS, pH 7.4.
<b>Storage condition :</b>	Lyophilized IL 1RA although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution IL 1RA should be stored at 4°C between 2-7 days and for future use below -18°C.Please prevent freeze-thaw cycles.
<b>Amino Acid :</b>	HPAGKRCKM QAFRIWDTNQ KTFYLRNNQL IAGYLQGPNT KLEEKIDMVP IDFRNVFLGI HGGKLCCLSCV KSGDDTKLQL EEVNITDLNK NKEEDKRFTF IRSETGPTTS FESLACPGWF LCTTLEADHP VSLTNTPKPEP CTVTKFYFQE DQ

### Application Note

It is recommended to reconstitute the lyophilized IL 1RA in sterile 18M $\Omega$ -cm H<sub>2</sub>O not less than 100 $\Omega$ µg/ml, which can then be further diluted to other aqueous solutions. Fully biologically active when compared to standard. Measured by its ability to inhibit IL1a-dependent proliferation in D10.G4.1 mouse helper T cells. The ED50 for this effect is typically 30-150ng/ml (corresponding to a specific activity of 6,667-33,334units/mg ) in the presence of 50pg/ml of rrlL1a.

