

# Rat IL 1RA Recombinant Protein



RPPB0473

---

## Product Information    Protein Information

**Product SKU:**

RPPB0473

**Host:**

Escherichia Coli.

**Protein description:**

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.

**Appearance:**

Sterile Filtered White lyophilized (freeze-dried) powder.

**Synonyms:**

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

**Formulation:**

Lyophilized from a 0.2µm filtered concentrated solution in PBS, pH 7.4.

**Purity:**

Greater than 95.0% as determined by SDS-PAGE.

**Solubility:**

It is recommended to reconstitute the lyophilized IL 1RA in sterile 18MΩ-cm H<sub>2</sub>O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.

**Stability:**

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.

**Amino Acid Sequence:**

HPAGKRPKM QAFRIWDTNQ KTFYLRNNQL IAGYLQGPNT KLEEKIDMVP IDFRNVFLGI HGGKLCCLSCV  
KSGDDTKLQL EEVNITDLNK NKEEDKRFTF IRSETGPTTS FESLACPGWF LCTTLEADHP VSLTNTPKPE  
CTVTKFYFQE DQ

**Biological Activity:**

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 ED<sub>50</sub> 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 rIL1a.