

## 32-20206: Recombinant Human IL-1RA(Discontinued)

**Reactivity :** Human, Mouse, Rat

**Alternative Name :** IL-1Ra, ICIL-1RA, IRAP, IL-1RN

### Description

**Source:** *E.coli* Interleukin-1 receptor antagonist (IL-1RA) is a naturally-occurring, inflammatory-inhibitor protein. It inhibits the activity of IL-1Alpha and IL-1Beta by competitively blocking their binding to type I and type II receptors. IL-1RA is produced by corneal epithelial cells, monocytes, neutrophils, macrophages, and fibroblasts. Therapeutically, IL-1RA may help in the treatment of sepsis, cachexia, rheumatoid arthritis, chronic myelogenous leukemia, asthma, psoriasis, and inflammatory bowel disease. Recombinant Human IL-1RA is a 17.2 kDa protein consisting of 153 amino acid residues.

### Product Info

**Amount :** 20 µg / 100 µg

**Purification :** Purity: >= 98% by SDS-PAGE gel and HPLC analyses.

**Content :** This recombinant protein is supplied in lyophilized form.

**Amino Acid :** MRPSGRKSSK MQAFRIWDVN QKTFYLRNNQ LVAGYLQGPN VNLEEKIDVV PIEPHALFLG  
IHGGKMCLSC VKSGDETRLQ LEAVNITDLS ENRKQDKRFA FIRSDSGPTT SFESAACPGW  
FLCTAMEADQ PVSLTNMPDE GVMVTKFYFQ EDE

### Application Note

Determined by its ability to inhibit the IL-1Alpha stimulation of murine D10S cell. The expected  $ED_{50}$  is 20-40 ng/ml in the presence of 50 pg/ml of IL-1Alpha .