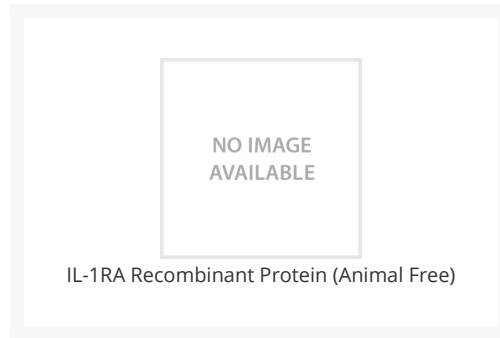




# IL-1RA Recombinant Protein (Animal Free)

Cat. No.: 40-726



## Ψ Specifications

<b>SPECIES:</b>	Frog, Human, Mouse, Rat
<b>SOURCE SPECIES:</b>	E. coli
<b>SEQUENCE:</b>	MRPSGRKSSK MQAFRIWDVN QKTFYLRNNQ LVAGYLQGNP VNLEEKIDVV PIEPHALFLG IHGGKMCLSC VKSGDETRLQ LEAVNITDLS ENRKQDKRFA FIRSDSGPTT SFESAACPGW FLCTAMEADQ PVSLTNMPDE GVMVTKFYFQ EDE

## Ψ Properties

<b>PURITY:</b>	≥ 98% by SDS-PAGE gel and HPLC analyses.
<b>PHYSICAL STATE:</b>	Lyophilized
<b>STORAGE CONDITIONS:</b>	The recombinant protein is stable for at least 2 years from date of receipt at -20 °C. Reconstituted protein is stable for at least 3 months when stored in working aliquots with a carrier protein at -20 °C. As with any protein, exposing the recombinant protein to repeated freeze / thaw cycles is not recommended. When working with proteins care should be taken to keep recombinant protein at a cool and stable temperature.

## Ψ Additional Info

<b>OFFICIAL SYMBOL:</b>	IL1RN
<b>ALTERNATE NAMES:</b>	IL-1Ra, ICIL-1RA, IRAP, IL-1RN
<b>GENE ID:</b>	3557

## Background and References

<b>BACKGROUND:</b>	<p>Interleukin-1 receptor antagonist (IL-1RA) is a naturally-occurring, inflammatory-inhibitor protein. It inhibits the activity of IL-1<math>\alpha</math> and IL-1<math>\beta</math> 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.</p>
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