

## Datasheet for ABIN935559 IL1R1 Protein



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### Overview

Quantity:	100 µg
Target:	IL1R1
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Biological Activity:	Active

### Product Details

Sequence:	MRPSGRKSSK MQAFRIWDVN QKTFYLRNNQ LVAGYLQGN VNLEEKIDVV PIEPHALFLG IHGGKMCLSC VKSGDETRLQ LEAVNITDLS ENRKQDKRFA FIRSDSGPTT SFESAACPGW FLCTAMEADQ PVSLTNMPDE GVMVTKFYFQ EDE
Characteristics:	Purified recombinant Human IL1 R alpha protein Expression System: E.coli Bioactivity: Determined by its ability to inhibit the IL-1alpha stimulation of Mouse D10S cell. The expected ED50 is 20-40 ng/mL in the presence of 50 pg/mL of IL-1alpha.
Purity:	> 98 % pure
Endotoxin Level:	< 0.1 ng per µg (1 EU/µg).

### Target Details

Target:	IL1R1
Alternative Name:	IL1R alpha ( <a href="#">IL1R1 Products</a> )

## Target Details

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**Background:** Interleukin-1 receptor antagonist (IL1RA) is a naturally occurring inflammatory inhibitor protein. It inhibits the activity of IL1a and IL1beta by competitively blocking binding to their type I and type II receptors. IL1Ra is produced by corneal epithelial cells, monocytes, neutrophils, macrophages, and fibroblasts. Therapeutically, IL1Ra may help in the treatment of sepsis, cachexia, rheumatoid arthritis, chronic myelogenous leukemia, asthma, psoriasis, and inflammatory bowel disease.

Alternative Names: IL 1 protein, IL 1, ICIL-1RA protein, Interleukin 1R alpha protein, IL-1R alpha protein, IL1, IL-1RN protein, IRAP protein, IL-1, IL-1 protein, IL-1Ra protein

**Molecular Weight:** 17.2 kDa

**Pathways:** [NF-kappaB Signaling](#), [Carbohydrate Homeostasis](#), [Cancer Immune Checkpoints](#)

## Application Details

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**Application Notes:** Each Investigator should determine their own optimal working dilution for specific applications.

**Restrictions:** For Research Use only

## Handling

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**Format:** Lyophilized

**Reconstitution:** Reconstitute in water to a concentration of 0.1 to 1.5 g/mL. **Do not vortex.**

**Buffer:** Lyophilized from 5 mM Tris, pH 8.0, with 25 mM NaCl.

**Handling Advice:** Avoid repeated freeze/thaw cycles.

**Storage:** RT/-20 °C