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# Datasheet for ABIN7319570

### **IL1RN Protein**



#### Overview

Quantity:	50 μg
Target:	IL1RN
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant

#### **Product Details**

Purpose:	Recombinant Human IL-1RA/IL1RN Protein
Sequence:	Arg26-Glu177
Characteristics:	Recombinant Human IL-1RA is produced by our E.coli expression system and the target gene encoding Arg26-Glu177 is expressed.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

# Target Details

Target:	IL1RN
Alternative Name:	IL-1RA/IL1RN (IL1RN Products)
Background:	Background: Interleukin-1 Receptor Antagonist (IL-1RN) is a member of the IL-1 family.  Endogenous IL-1RN is produced in numerous animal disease models as well as in human
	autoimmune and chronic inflammatory diseases. It binds to IL-1 receptors in competition with IL-1, but does not elicit intracellular response from this binding. Its role in counteracting the

proinflammatory effects of IL-1 is being studied by numerous research groups. IL-4 and IL-13 have been shown to amplify the stimulatory effect of IL1-beta on the production of soluble and intracellular forms of IL-1RN. The regulated expression of IL-1RN in various cell types has been shown to be influenced by cytokines. In synovial fibroblasts, IL-1, TNF-alpha, or PDGF markedly enhances the synthesis of IL-1RN.

Synonym: Interleukin-1 Receptor Antagonist Protein, IL-1RN, IL-1ra, IRAP, ICIL-1RA, IL1 Inhibitor,

Molecular Weight: 17.26 kDa
UniProt: P18510

Pathways: NF-kappaB Signaling, Hormone Transport, Cancer Immune Checkpoints

Anakinra, IL1RN, IL1F3, IL1RA

## **Application Details**

Restrictions: For Research Use only

#### Handling

Format:	Lyophilized
Reconstitution:	Please refer to the printed manual for detailed information.
Buffer:	Lyophilized from a 0.2 µm filtered solution of 50 mM TrisHCl, 200 mM NaCl, pH 7.5.
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C.
	Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted
	samples are stable at < -20°C for 3 months.