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#### Datasheet for ABIN2017978

## **IL1RN Protein (AA 26-177)**



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Overview	
Quantity:	50 μg
Target:	IL1RN
Protein Characteristics:	AA 26-177
Origin:	Human
Source:	HEK-293T Cells
Protein Type:	Recombinant
Biological Activity:	Active
Product Details	
Characteristics:	FD50 < 0.1 µg /ml measured in a neutralization assay using D10S cells in the presence of

Characteristics:	ED50 < 0.1 $\mu g$ /mL, measured in a neutralization assay using D10S cells in the presence of	
	50pg/mL Human IL-1a.	
Purity:	> 95 % as analyzed by SDS-PAGE and HPLC.	
Endotoxin Level:	< 0.2 EU/µg, determined by LAL method.	

### Target Details

Target:	IL1RN	
Alternative Name:	IL-1 Receptor Antagonist (IL1RN Products)	
Background:	IL-1 Receptor Antagonist, also known as IL-1RA, ICIL-1RA, IRAP and IL-1RN, is a member of the	
	interleukin 1 cytokine family. It is expressed by monocytes, neutrophils, macrophages, epithelial	
	cells and fibroblasts. IL-1RA inhibits the activity of both IL-1alpha and IL-1beta, and modulates a	
	variety of IL-1 related immune and inflammatory responses. It inhibits the activity of IL-1 by	

#### **Target Details**

Expiry Date:

6 months

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	binding to the receptor IL-1R1 and preventing its association with the coreceptor IL-1RAP for signaling. Clinical studies are being conducted to investigate the use of IL-1RA in the treatment of sepsis, rheumatoid arthritis and chronic myelogenous leukemia.  Synonyms: IL-1RA, ICIL-1RA, IRAP, IL-1RN	
Molecular Weight:	18-23 kDa, observed by reducing SDS-PAGE.	
UniProt:	P18510	
Pathways:	NF-kappaB Signaling, Hormone Transport, Cancer Immune Checkpoints	
Application Details		
Restrictions:	For Research Use only	
Handling		
Format:	Lyophilized	
Reconstitution:	Reconstituted in ddH2O or PBS at 100 μg/mL.	
Buffer:	Lyophilized after extensive dialysis against PBS.	
Storage:	-80 °C	
Storage Comment: Lyophilized recombinant human IL-1 Receptor Antagonist remains stable up to  °C from date of receipt. Upon reconstitution, Human IL-1 Receptor Antagonist up to 1 week at 4 °C or up to 2 months at -20 °C.		