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IL1RN Protein





Overview

Quantity:	100 μg
Target:	IL1RN
Origin:	Mouse
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant

Product Details

Purpose:	Recombinant Mouse IL-1RA/IL1RN Protein
Sequence:	Arg27-Gln178
Characteristics:	Recombinant Mouse Interleukin-1 Receptor Antagonist Protein is produced by our E.coli expression system and the target gene encoding Arg27-Gln178 is expressed.
Purity:	> 95 % as determined by 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 protein (II1rn), also known as IL-1ra, IRAP or IL1 inhibitor, is a member of the interleukin 1 cytokine family. This protein inhibits the activities of
	interleukin 1 alpha (IL1A) and interleukin 1 beta (IL1B), and modulates a variety of interleukin 1
	related immune and inflammatory responses. The mouse II1rn gene encodes a 178 amino

acids (aa) protein with a 26 aa signal peptide. Mouse II1rn protein shares 26 % and 19 % identity with its homologues IL-1 beta and IL-1 alpha, respectively. II1rn can Inhibits the activity of interleukin-1 by binding to receptor IL1R1 and preventing its association with the coreceptor IL1RAP for signaling, but has no interleukin-1 like activity. Recently, an recombinant human II1rn protein is used in the treatment of rheumatoid arthritis, an autoimmune disease in which IL-1 plays a key role.

Synonym: IL-1RN,IL-1ra,IRAP,IL1 inhibitor,Il1rn,Interleukin-1 Receptor Antagonist Protein

Molecular Weight: 17.5 kDa

UniProt: P25085

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

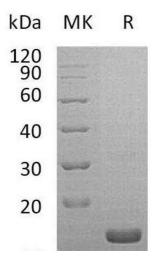
Application Details

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 20 mM PB, 150 mM NaCl, pH 7.4.
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.



Western Blotting

Image 1.