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IL1RN Protein (His tag)



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Quantity:	20 μg
Target:	IL1RN
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This IL1RN protein is labelled with His tag.

Product Details

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Purpose:	Active Recombinant Human IL-1RN Protein			
Sequence:	RPSGRKSSKM QAFRIWDVNQ KTFYLRNNQL VAGYLQGPNV NLEEKIDVVP IEPHALFLGI			
	HGGKMCLSCV KSGDETRLQL EAVNITDLSE NRKQDKRFAF IRSDSGPTTS FESAACPGWF			
	LCTAMEADQP VSLTNMPDEG VMVTKFYFQE DE			
Specificity:	Arg26-Glu177			
Purity:	> 97 % by SDS-PAGE.			
Sterility:	0.22 µm filtered			
Endotoxin Level:	< 0.1 EU/µg of the protein by LAL method.			
Biological Activity Comment:	Measured by its binding ability in a functional ELISA. Immobilized Recombinant Human IL1RN			
	at 10 µg/mL (100 µL/well) can bind Recombinant Human IL1R2 with a linear range of 0.4-1.8 μ			
	g/mL.			

Target Details

Target:	IL1RN		
Alternative Name:	IL-1RN (IL1RN Products)		
Background:	Description: Interleukin-1 receptor antagonist (IL-1RA) also known as IL1RN 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. A polymorphism of this protein is reported to be associated with increased risk of osteoporotic fractures and gastric cancer. Name: DIRA, ICIL-1RA, IL-1RN, IL-1ra, IL-1ra3, IL1F3, IL1RA, IRAP, MVCD4, IL1RN, ICIL-1RA, IL-1RN, IL-1ra3, IL1F3, IL1RA, IRAP, MVCD4		
Gene ID:	3557		
UniProt:	P18510		
Pathways:	NF-kappaB Signaling, Hormone Transport, Cancer Immune Checkpoints		
Application Details			
Restrictions:	For Research Use only		
Handling			
Format:	Lyophilized		
Reconstitution:	Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid votex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stablizer (e.g. 0.1 % BSA, 5 % HSA, 10 % FBS or 5 % Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.		
Buffer:	Lyophilized from a 0.22 µm filtered solution of PBS, pH 7.4.		
Storage:	-20 °C,-80 °C		
Storage Comment:	Store the lyophilized protein at -20°C to -80 °C for long term. After reconstitution, the protein solution is stable at -20 °C for 3 months, at 2-8 °C for up to 1 week.		