

Datasheet for ABIN7597421

IL1RN Protein (AA 18-332) (His tag)



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Overview

Quantity:	10 µg
Target:	IL1RN
Protein Characteristics:	AA 18-332
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This IL1RN protein is labelled with His tag.

Product Details

Purpose:	Recombinant human IL1RA Protein with C-terminal 10xHis tag
Sequence:	IL1RA(Leu18-Thr332) 10xHis tag
Purity:	The purity of the protein is greater than 85 % as determined by SDS-PAGE and Coomassie blue staining.

Target Details

Target:	IL1RN
Alternative Name:	IL1RA (IL1RN Products)
Background:	<p>IL1R1, P80, IL1R, CRM03, CD121A, D2S1473, IL-1RT1, IL-1R-alpha</p> <p>This gene encodes a cytokine receptor that belongs to the interleukin-1 receptor family. The encoded protein is a receptor for interleukin-1 alpha, interleukin-1 beta, and interleukin-1 receptor antagonist. It is an important mediator involved in many cytokine-induced immune and</p>

Target Details

	inflammatory responses. This gene is located in a cluster of related cytokine receptor genes on chromosome 2q12. [provided by RefSeq, Dec 2013]
Molecular Weight:	predicted molecular mass of 37.5 kDa after removal of the signal peptide. The apparent molecular mass of IL1RA-His is 35-70 kDa due to glycosylation.
UniProt:	P14778
Pathways:	NF-kappaB Signaling , Hormone Transport , Cancer Immune Checkpoints

Application Details

Application Notes:	Extracellular Domain Proteins (ECD) can be used as: <ul style="list-style-type: none">• Immunogens for antibody drug development• Reagents used for CAR-T positive cell monitoring• Reagents for antibody screening and functional testing• Reagents for antibody affinity measurement
Comment:	The protein was made using HEK293 mammalian cell secretion expression system to ensure the close-to-native structures and post-translational modifications of the target protein.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Buffer:	Lyophilized from sterile PBS, pH 7.4. Normally 5 % – 8% trehalose is added as protectants before lyophilization.
Storage:	-20 °C, -80 °C
Storage Comment:	Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.
Expiry Date:	12 months