

Datasheet for ABIN7274909

IL1R1 Protein (AA 20-338) (His tag)**2** Images[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	IL1R1
Protein Characteristics:	AA 20-338
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This IL1R1 protein is labelled with His tag.

Product Details

Purpose:	Mouse IL-1R1 Protein
Sequence:	Leu20-Lys338
Characteristics:	Recombinant Mouse IL-1R1 Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Leu20-Lys338.
Purity:	> 95 % as determined by Tris-Bis PAGE, > 95 % as determined by HPLC
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.

Target Details

Target:	IL1R1
Alternative Name:	IL-1R1 (IL1R1 Products)

Target Details

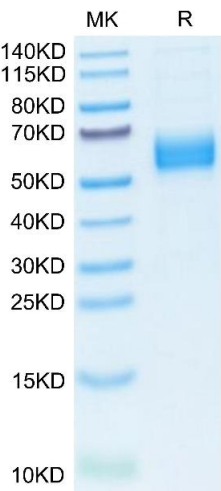
Background:	Interleukin 1 (IL-1) has long been known for its pleiotropic effects on inflammation that plays a complex, and sometimes contrasting, role in different stages of cancer development. IL-1R1 is the main receptor for both ligands and is expressed by various cell types, including innate and adaptive immune cell types, epithelial cells, endothelial cells, adipocytes, chondrocytes, fibroblasts, etc. IL-1 and IL-1R1 receptor interaction leads to a set of common signaling pathways, mainly the NF- κ B and MAP kinase pathways, as a result of complex positive and negative regulations.
Molecular Weight:	38.4 kDa. Due to glycosylation, the protein migrates to 50-70 kDa based on Tris-Bis PAGE result.
Pathways:	NF-kappaB Signaling , Carbohydrate Homeostasis , Cancer Immune Checkpoints

Application Details

Restrictions:	For Research Use only
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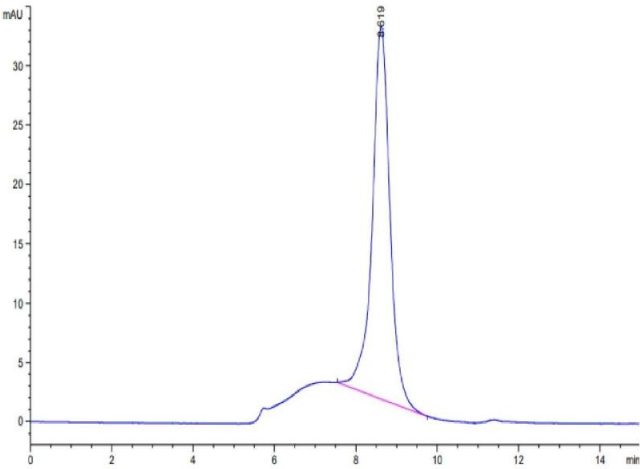
Handling

Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 μ g/mL is recommended. Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22 μ m filtered solution in PBS (pH 7.4). Normally 8 % trehalose is added as protectant before lyophilization.
Storage:	-20 $^{\circ}$ C, -80 $^{\circ}$ C
Storage Comment:	-20 to -80 $^{\circ}$ C for 12 months as supplied from date of receipt., -80 $^{\circ}$ C for 3-6 months after reconstitution., 2-8 $^{\circ}$ C for 2-7 days after reconstitution., Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.
Expiry Date:	12 months



SDS-PAGE

Image 1. Mouse IL-1R1 on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .



Size-exclusion chromatography-High Pressure Liquid Chromatography

Image 2. The purity of Mouse IL-1R1 is greater than 95 % as determined by SEC-HPLC.