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Datasheet for ABIN7504440
IL1R1 Protein (AA 18-332)

Overview

Quantity:	100 µg
Target:	IL1R1
Protein Characteristics:	AA 18-332
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant

Product Details

Purpose:	Human IL-1R1 Protein
Sequence:	Leu18-Thr332
Characteristics:	Recombinant Human IL-1R1 Protein is expressed from HEK293 without tag. It contains Leu18-Thr332.
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)
Background:	Interleukin 1 (IL-1) has long been known for its pleiotropic effects on inflammation that plays a

Target Details

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: 36.17 kDa. Due to glycosylation, the protein migrates to 50-65 kDa based on Tris-Bis PAGE result.

NCBI Accession: [NP_000868](#)

Pathways: [NF-kappaB Signaling](#), [Carbohydrate Homeostasis](#), [Cancer Immune Checkpoints](#)

Application Details

Restrictions: For Research Use only

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