

Datasheet for ABIN7274888

IL1R2 Protein (His tag)

3 Images



[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	IL1R2
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This IL1R2 protein is labelled with His tag.

Product Details

Sequence:	Phe14-Glu343
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.
Biological Activity Comment:	Immobilized Human IL-1R2, His Tag at 1µg/ml (100µl/Well) on the plate. Dose response curve for Biotinylated Human IL-1 Beta, His Tag with the EC50 of 15.1ng/ml determined by ELISA. See testing image for detail.

Target Details

Target:	IL1R2
Alternative Name:	IL-1R2 (IL1R2 Products)
Background:	IL-1R-2, IL-1RT-2, IL-1RT2, CDw121b, IL-1R-beta, CD121b, IL1RB, IL1R2, IL-1 RII, MGC47725, Interleukin (IL)-1 has been reported to be involved in the development of

Target Details

tuberculosis (TB). IL1R1 and IL1R2 encode a cytokine receptor that belongs to the IL-1 receptor family. IL1R2 (Interleukin 1 Receptor Type 2) is a Protein Coding gene. Diseases associated with IL1R2 include Endometriosis and Mastitis. Among its related pathways are Hematopoietic cell lineage and IL-1 signaling pathway. Gene Ontology (GO) annotations related to this gene include interleukin-1 receptor activity and interleukin-1, type II, blocking receptor activity.

Molecular Weight: 38.9 kDa. Due to glycosylation, the protein migrates to 55-65 kDa based on Tris-Bis PAGE result.

NCBI Accession: [NP_004624](#)

Pathways: [NF-kappaB Signaling](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Centrifuge tubes before opening. Reconstituting to a concentration more than 100 µg/mL is recommended (usually we use 1 mg/mL solution for lyophilization). Dissolve the lyophilized protein in distilled water.

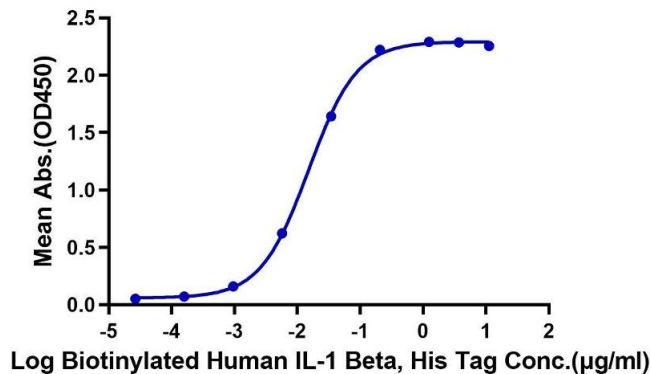
Buffer: Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 5 % trehalose is added as protectant before lyophilization.

Storage: 4 °C, -80 °C

Storage Comment: Reconstituted protein stable at -80°C for 12 months, 4°C for 1 week. Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

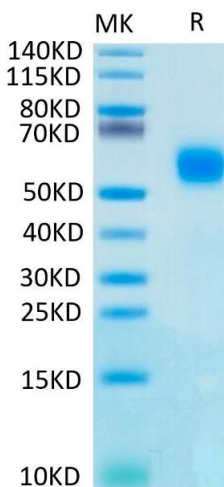
Expiry Date: 12 months

Human IL-1R2, His Tag ELISA
0.1µg Human IL-1R2, His Tag Per Well



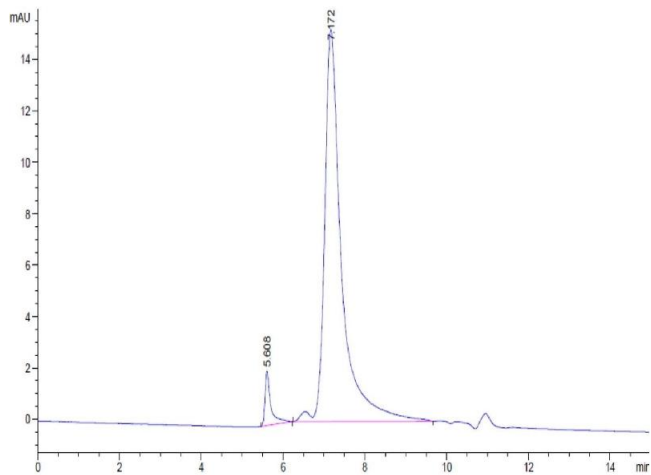
ELISA

Image 1. Immobilized Human IL-1R2, His Tag at 1 µg/mL (100 µL/Well) on the plate. Dose response curve for Biotinylated Human IL-1 Beta, His Tag with the EC₅₀ of 15.1 ng/mL determined by ELISA.



SDS-PAGE

Image 2. Human IL1R2 on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .



Size-exclusion chromatography-High Pressure Liquid Chromatography

Image 3. The purity of Human IL1R2 is greater than 95 % as determined by SEC-HPLC.