

## Active Recombinant Human IL1R1, Fc-tagged

Cat. No. IL1R1-299H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Human IL-1RI (interleukin-1 receptor type I) (aa 21-336) is fused at the C-terminus to the Fc portion of human IgG1.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>ProteinLength</b>	21-336 a.a.
<b>Description</b>	IL-1RI is the receptor for interleukin-1 $\alpha$ (IL-1A), $\beta$ (IL-1B) and interleukin-1 receptor antagonist protein (IL-1RA). Binding to the agonist leads to the activation of NF- $\kappa$ B. Signaling involves formation of a ternary complex containing IL1RAP, leading the activation of TOLLIP, MYD88 and IRAK1 or IRAK2.
<b>Form</b>	Lyophilized. Contains PBS.
<b>Bio-activity</b>	Blocks IL-1 $\beta$ activity.
<b>Molecular Mass</b>	~80kDa (SDS-PAGE)
<b>Purity</b>	≥95% (SDS-PAGE)
<b>Stability</b>	Stable for at least 6 months after receipt when stored at -20°C.
<b>Storage</b>	Short Term Storage: +4°C; Long Term Storage: -20°C. After reconstitution, prepare

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aliquots and store at -20°C. Avoid freeze/thaw cycles. PBS containing at least 0.1% BSA should be used for further dilutions.

**Concentration** 1mg/ml after reconstitution.

## GENE INFORMATION

**Gene Name** [IL1R1 interleukin 1 receptor, type I \[ Homo sapiens \]](#)

**Official Symbol** IL1R1

**Synonyms** IL1R1; interleukin 1 receptor, type I; IL1R, IL1RA; interleukin-1 receptor type 1; CD121A; D2S1473; IL-1R-1; IL-1RT1; IL-1RT-1; antigen CD121a; interleukin receptor 1; interleukin-1 receptor alpha; interleukin-1 receptor type I; CD121 antigen-like family member A; interleukin 1 receptor alpha, type I; P80; IL1R; IL1RA; IL-1R-alpha;

**Gene ID** [3554](#)

**mRNA Refseq** [NM\\_000877](#)

**Protein Refseq** [NP\\_000868](#)

**MIM** [147810](#)

**UniProt ID** [P14778](#)

**Chromosome Location** 2q12

**Pathway** Amoebiasis, organism-specific biosystem; Amoebiasis, conserved biosystem; Apoptosis, organism-specific biosystem; Apoptosis, conserved biosystem; Cytokine

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Signaling in Immune system, organism-specific biosystem; Cytokine-cytokine receptor interaction, organism-specific biosystem; Cytokine-cytokine receptor interaction, conserved biosystem;

**Function**

interleukin-1 receptor activity; interleukin-1, Type I, activating receptor activity; platelet-derived growth factor receptor binding; protease binding; protein binding; receptor activity; signal transducer activity; transmembrane signaling receptor activity;

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