

Active Recombinant Human IL1R1, Fc-tagged

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

SPECIFICATION

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