

Active Recombinant Human IL1R1, MIgG2a Fc-tagged

Cat. No. IL1R1-3011H Lot. No. (See product label)

SPECIFICATION

Product Overview	The extracellular domain of human IL-1R1 (AAH67506.1)(Asp21-Thr332) is fused to the N-terminus of the Fc region of mouse IgG2a was expressed in CHO cell
Species	Human
Source	CHO
ProteinLength	21-332 a.a.
Description	This gene encodes a cytokine receptor that belongs to the interleukin-1 receptor family. The encoded protein is a receptor for interleukin-1 alpha, interleukin-1 beta, and interleukin-1 receptor antagonist. It is an important mediator involved in many cytokine-induced immune and inflammatory responses. This gene is located in a cluster of related cytokine receptor genes on chromosome 2q12.
Form	Lyophilized from 0.2µm-filtered solution in PBS.
Bio-activity	Measured by its ability to inhibit IL-1 beta -dependent proliferation.
Molecular Mass	62KDa (monomer)
AA Sequence	Asp21-Thr332
Endotoxin	<0.06 eu/µg="" as="" determined="" by="" lal="" test="">

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Purity	>98%, by SDS-PAGE under reducing conditions.
Stability	Stable for at least 1 year after receipt when stored at -20°C. Working aliquots are stable for up to 3 months when stored at -20°C.
Reconstitution	Reconstitute at 100µg/ml in sterile PBS.
Warning	Avoid freeze/thaw cycles.

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	2q12

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Location	
Pathway	Amoebiasis, organism-specific biosystem; Amoebiasis, conserved biosystem; Apoptosis, organism-specific biosystem; Apoptosis, conserved biosystem; Cytokine 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 activ

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