Active Recombinant Human IL1R2, HIgG1 Fc-tagged

Cat. No. IL1R2-121H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	The extracellular domain of human IL-1R2 (AAH39031.1)(Phe14-Glu343) is fused to the N-terminus of the Fc region of a human IgG1was expressed in CHO cell
Species	Human
Source	CHO
ProteinLength	14-343 a.a.
Description	The protein encoded by this gene is a cytokine receptor that belongs to the interleukin 1 receptor family. This protein binds interleukin alpha (IL1A), interleukin beta (IL1B), and interleukin 1 receptor, type I(IL1R1/IL1RA), and acts as a decoy receptor that inhibits the activity of its ligands. Interleukin 4 (IL4) is reported to antagonize the activity of interleukin 1 by inducing the expression and release of this cytokine. This gene and three other genes form a cytokine receptor gene cluster on chromosome 2q12. Alternative splicing results in multiple transcript variants and protein isoforms. Alternative splicing produces both membrane-bound and soluble proteins. A soluble protein is also produced by proteolytic cleavage.
Form	Lyophilized from 0.2μm-filtered solution in PBS.
Bio-activity	Measured by its ability to inhibit IL-1 beta-dependent proliferation.
Molecular Mass	64KDa (monomer)

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AA Sequence	Phe14-Glu343
Endotoxin	<0.06 eu/μg="" as="" determined="" by="" lal="" test.="">
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	IL1R2 interleukin 1 receptor, type II [Homo sapiens]
Official Symbol	IL1R2
Synonyms	IL1R2; interleukin 1 receptor, type II; IL1RB; interleukin-1 receptor type 2; CD121b; CDw121b; IL-1R-2; IL-1RT2; IL-1RT-2; IL-1R-beta; antigen CDw121b; IL-1 type II receptor; interleukin-1 receptor beta; interleukin-1 receptor type II; CD121 antigen-like family member B; type II interleukin-1 receptor, beta; MGC47725;
Gene ID	7850
mRNA Refseq	NM_004633
Protein Refseq	NP_004624
MIM	147811

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UniProt ID	P27930
Chromosome Location	2q12
Pathway	Amoebiasis, organism-specific biosystem; Amoebiasis, conserved biosystem; Cytokine Signaling in Immune system, organism-specific biosystem; Cytokine-cytokine receptor interaction, organism-specific biosystem; Cytokine-cytokine receptor interaction, conserved biosystem; HTLV-I infection, organism-specific biosystem; HTLV-I infection, conserved biosystem;
Function	interleukin-1 receptor activity; interleukin-1, Type II, blocking receptor activity; protein binding; receptor activity;

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