

Recombinant Human IL1R1 Protein, His-tagged

Cat. No. IL1R1-368H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human IL1R1, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.
Species	Human
Source	Insect Cells
ProteinLength	21-336 aa
Description	IL1R1, also known as interleukin-1 receptor type 1, associates with the coreceptor IL1RAP to form the high affinity interleukin-1 receptor complex which mediates interleukin-1-dependent activation of NF-kappa-B, MAPK and other pathways. It is an important mediator involved in many cytokine induced immune and inflammatory responses.
Form	Liquid. In Phosphate Buffered Saline (pH 7.4) containing 10% glycerol.
Molecular Mass	37.4kDa (324aa)40-57KDa (SDS-PAGE under reducing conditions.)
AA Sequence	DKCKEREEKI ILVSSANEID VRPCPLNPNE HSGTITWYKD DSKTPVSTEQ ASRIHQHKEK LWFVPAKVED SGHYVCVVRN SSYCLRIKIS AKFVENEPNL CYNAQAIFKQ KLPVAGDGGI VCPYMEFFKN ENNELPKLQW YKDCPKLLLD NIHFSGVKDR LIVMNVAEKH RGNVCHASYTYLGKQYPIT RVIEFITLEE NKPTRPVIVS PANETMEVDL GSQIQLICNV TGQLSDIAYW KWNGSVIDED DPVLGEDYYS VENPANKRRS TLITVLNISE IESRFYKHPF TCFANKTHGI

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DAAYIQLIYP VTNFQKLEHH HHHH

Endotoxin < 1.0 EU per 1 microgram of protein (determined by LAL method)

Purity >95% by SDS - PAGE

Storage Can be stored at +4 centigrade short term (1-2 weeks). For long term storage, aliquot and store at -20 centigrade or -70 centigrade. Avoid repeated freezing and thawing cycles.

Concentration 0.25mg/ml (determined by Absorbance at 280nm)

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

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UniProt ID	P14778
Chromosome Location	2q12
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 activity;