

## Recombinant Human Interleukin 1 Receptor, Type II

Cat. No. IL1R2-1641H Lot. No. (See product label)

### SPECIFICATION

<b>Species</b>	Human
<b>Source</b>	Sf21 Cells
<b>Description</b>	<p>Interleukin 1 receptor type II (IL1R2), also known as CD121b (Cluster of Differentiation 121b), is a transmembrane protein found on B lymphocytes, neutrophils, monocytes, large granular leukocytes and endothelial cells. It is a decoy receptor known for its ability to buffer IL-1 effects. IL-1RII is involved in the control of the proinflammatory state that takes place in the endometrium during the premenstrual and menstrual periods. IL-1RII can neutralize IL-1 beta and counteract its effect on endometrial stromal cells, and may provide a new clinical strategy for the treatment of endometriosis.</p>
<b>State Of Matter</b>	Lyophilized.
<b>Purity</b>	>97% by SDS Page and analyzed by silver stain.
<b>Endotoxin</b>	<1.0 EU/g as determined by the LAL method.
<b>Molecular Weight</b>	<p>The predicted molecular weight of Recombinant Human IL-1 sRII is Mr 36 kDa. However, the actual molecular weight as observed by migration on SDS Page is Mr 40 kDa.</p>
<b>Storage And Stability</b>	<p>This lyophilized protein is stable for six to twelve months when stored desiccated at -20°C to -70°C. After aseptic reconstitution, this protein may be stored at 2°C to 8°C</p>

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for one month or at -20°C to -70°C in a manual defrost freezer. Avoid Repeated Freeze Thaw Cycles.

## GENE INFORMATION

<b>Gene Name</b>	IL1R2 interleukin 1 receptor, type II [ Homo sapiens ]
<b>Synonyms</b>	IL1R2; interleukin 1 receptor, type II; IL1RB; CD121b; MGC47725; IL-1R-beta; antigen CDw121b; type II interleukin-1 receptor, beta; Interleukin-1 receptor type II; IL-1R-2; IL-1R-beta; CD121 antigen-like family member B; CD121b antigen; CD121 antigen; interleukin 1 receptor, type II
<b>Gene ID</b>	7850
<b>mRNA Refseq</b>	NM_004633
<b>Protein Refseq</b>	NP_004624
<b>MIM</b>	147811
<b>UniProt ID</b>	P27930
<b>Chromosome Location</b>	2q12
<b>Pathway</b>	Cytokine-cytokine receptor interaction; Hematopoietic cell lineage; MAPK signaling pathway
<b>Function</b>	interleukin-1, Type II, blocking receptor activity; receptor activity

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