

## Recombinant Mouse Interleukin 1 Receptor, Type II

**Cat. No.** II1r2-1754M    **Lot. No.** (See product label)

### SPECIFICATION

<b>Species</b>	Mouse
<b>Source</b>	Sf21 Cells
<b>Description</b>	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.
<b>Molecular Weight</b>	The predicted molecular weight of Recombinant Mouse IL-1 RII is Mr 64.7 kDa. However, the actual molecular weight as observed by migration on SDS Page is Mr 70-80 kDa.
<b>State Of Matter</b>	Lyophilized.
<b>Purity</b>	>95% by SDS Page and analyzed by silver stain.
<b>Endotoxin</b>	<1.0 EU/g as determined by the LAL method.
<b>Storage And Stability</b>	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 for

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

one month or at -20°C to -70°C in a manual defrost freezer. Avoid Repeated Freeze Thaw Cycles. See Product Insert for exact lot specific storage instructions.

## GENE INFORMATION

<b>Gene Name</b>	Il1r2 interleukin 1 receptor, type II [ Mus musculus ]
<b>Synonyms</b>	Il1r2; interleukin 1 receptor, type II; CD121b; Il1r-2; IL-1 receptor beta chain
<b>Gene ID</b>	16178
<b>mRNA Refseq</b>	NM_010555
<b>Protein Refseq</b>	NP_034685
<b>UniProt ID</b>	P27931
<b>Chromosome Location</b>	1 B; 1 19.5 cM
<b>Pathway</b>	Cytokine-cytokine receptor interaction; Hematopoietic cell lineage; MAPK signaling pathway
<b>Function</b>	interleukin-1 receptor activity; interleukin-1, Type II, blocking receptor activity; receptor activity

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