

## Recombinant Rat Il1r1, Fc-His tagged

**Cat. No.** Il1r1-4088R    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                        |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Rat Il1r1 (NP_037255.3) extracellular domain (Met 1-Lys 352), fused with the C-terminal His-tagged Fc region of mouse IgG1, was produced in Human Cell.                                                                                                                                    |
| <b>Species</b>          | Rat                                                                                                                                                                                                                                                                                                    |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                                 |
| <b>ProteinLength</b>    | Met 1-Lys 352                                                                                                                                                                                                                                                                                          |
| <b>Form</b>             | Lyophilized from sterile 50 mM Tris, pH 8.0.<br>Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.                                                                                                                                               |
| <b>Molecular Mass</b>   | The recombinant rat IL1R1/mFc is a disulfide-linked homodimer. The reduced monomer comprises 562 amino acids and predicts a molecular mass of 64.6 kDa. The apparent molecular mass of the ratIL1R1/mFc monomer is approximately 90-95 kDa in SDS-PAGE under reducing conditions due to glycosylation. |
| <b>Endotoxin</b>        | < 1.0 EU per µg protein as determined by the LAL method.                                                                                                                                                                                                                                               |
| <b>Purity</b>           | > 85 % as determined by SDS-PAGE                                                                                                                                                                                                                                                                       |
| <b>Storage</b>          | Samples are stable for up to twelve months from date of receipt at -20°C to -80°C<br>Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein                                                                                                                           |

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be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

**Reconstitution**

It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

## GENE INFORMATION

**Gene Name** [IL1r1 interleukin 1 receptor, type I \[ Rattus norvegicus \]](#)

**Official Symbol** [IL1r1](#)

**Synonyms**

IL1R1; interleukin 1 receptor, type I; interleukin-1 receptor type 1; p80; IL-1R-1; IL-1RT1; IL-1RT-1; IL-1R-alpha; interleukin-1 receptor alpha; interleukin-1 receptor type I; CD121 antigen-like family member A; interleukin 1 beta receptor type 1 soluble form; interleukin 1 beta receptor type 1 long transmembrane form; interleukin 1 beta receptor type 1 short transmembrane form;

**Gene ID** [25663](#)

**mRNA Refseq** [NM\\_013123](#)

**Protein Refseq** [NP\\_037255](#)

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