

Active Recombinant Rat Il1r1, His tagged

Cat. No. Il1r1-4089R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat Il1r1 (NP_037255.3) extracellular domain (Met 1-Lys 352), fused with a polyhistidine tag at the C-terminus, was produced in Human Cell.
Species	Rat
Source	HEK293
ProteinLength	Met 1-Lys 352
Form	Lyophilized from sterile 50 mM Tris, pH 8.0. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Bio-activity	Immobilized rat IL1R1-His at 10 µg/ml (100 µl/well) can bind rat Fc-IL1RN, The EC50 of rat Fc-IL1RN is 5.1-11.9 ng/ml.
Molecular Mass	The recombinant rat IL1R1 comprises 330 amino acids and predicts a molecular mass of 38.5 kDa. The apparent molecular mass of the rat IL1R1 is approximately 50-60 kDa in SDS-PAGE under reducing conditions due to glycosylation.
Endotoxin	< 1.0 EU per µg protein as determined by the LAL method.
Purity	> 95 % as determined by SDS-PAGE. ≥ 95 % as determined by SEC-HPLC.
Storage	Samples are stable for up to twelve months from date of receipt at -20°C to -80°C

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Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein 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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