

Active Recombinant Rat Il1rn protein, hFc-tagged

Cat. No. Il1rn-8709R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat Il1rn protein(P25086)(His27-Gln178), fused with hFc tag, was expressed in HEK293.
Species	Rat
Source	HEK293
ProteinLength	27-178 a.a.
Form	Lyophilized from sterile PBS, pH 7.4Please contact us for any concerns or special requirements. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the hard copy of CoA.
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 IL1RN comprises 412 amino acids and predicts a molecular mass of 45.8 kDa. The apparent molecular mass of the recombinant protein is approximately 47 kDa in SDS-PAGE under reducing conditions due to glycosylation.
Proteinlength	His27-Gln178
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method

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Purity	> 85 % as determined by SDS-PAGE
Storage	Samples are stable for up to twelve months from date of receipt at -20°C to -80°C. 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	Il1rn interleukin 1 receptor antagonist [Rattus norvegicus]
Official Symbol	Il1rn
Synonyms	IL1RN; interleukin 1 receptor antagonist; interleukin-1 receptor antagonist protein; IRAP; IL-1RN; IL1 inhibitor; IL-1ra;
Gene ID	60582
mRNA Refseq	NM_022194
Protein Refseq	NP_071530

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