

Active Recombinant Rat IL21r protein, His-tagged

Cat. No. IL21r-7452R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat IL21r protein(Q5EBB1)(Met1-Pro236), fused with His tag, was expressed in HEK293.
Species	Rat
Source	HEK293
ProteinLength	Met1-Pro236
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	1. Immobilized rat IL21R-His at 10 µg/ml (100 µl/well) can bind biotinylated rat IL21-His, The EC50 of biotinylated rat IL21-His is 4.6-10.9 ng/ml.2. Immobilized Recombinant Rat IL-21 Protein at 2µg/mL (100µL/well) can bind Recombinant Rat IL-21R / Interleukin-21 Receptor Protein (His Tag), the EC50 is 80-320 ng/mL.
Molecular Mass	The recombinant rat IL21R comprises 228 amino acids and predicts a molecular mass of 26.5 kDa. The apparent molecular mass of the recombinant protein is approximately 43-48 kDa in SDS-PAGE under reducing conditions due to glycosylation.
Endotoxin	< 1.0 EU per

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	µg of the protein as determined by the LAL method
Purity	> 95 % 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	IL21r interleukin 21 receptor [<i>Rattus norvegicus</i>]
Official Symbol	IL21r
Synonyms	IL21R; interleukin 21 receptor; interleukin-21 receptor; MGC108921;
Gene ID	308977
mRNA Refseq	NM_001012469
Protein Refseq	NP_001012487

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