

Recombinant Rat IL2 protein(Ala21-Gln155)

Cat. No. IL2-747R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat IL2 (P17108) (Ala 21-Gln 155) was expressed and purified in E. coli, with an initial Met at the N-terminus.
Species	Rat
Source	E.coli
ProteinLength	21-155 a.a.
Form	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Bio-activity	1. Measured by its ability to bind recombinant human IL2Ra-Fc in a functional ELISA. 2. Measured in a cell proliferation assay using CTLL2. The ED50 for this effect is typically 0.5-3 ng/mL.
Molecular Mass	The recombinant rat IL2 consisting of 136 amino acids and has a calculated molecular mass of 15.6 kDa. It migrates as an approximately 15 kDa band in SDS-PAGE under reducing conditions.
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.

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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	IL2 interleukin 2 [<i>Rattus norvegicus</i>]
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Official Symbol	IL2
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Synonyms	IL2; interleukin 2; interleukin-2; IL-2; TCGF; T-cell growth factor;
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Gene ID	116562
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mRNA Refseq	NM_053836
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Protein Refseq	NP_446288
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