

## Active Recombinant Rat IL2 protein

Cat. No. IL2-864R Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Active Recombinant Rat IL2 protein(P17108)(21-155 aa) was expressed in E.coli.
<b>Species</b>	Rat
<b>Source</b>	E.coli
<b>ProteinLength</b>	21-155 aa
<b>Form</b>	A 0.2 µm filtered concentrated sterile solution in 10 mM sodium citrate, pH 4.0, 30 % glycerol.
<b>Bio-activity</b>	Fully biologically active when compared to standard. The ED50 as determined by a cell proliferation assay using murine CTLL-2 cells is less than 0.2 ng/ml, corresponding to a specific activity of > 5.0 × 10 <sup>6</sup> IU/mg.
<b>Molecular Mass</b>	Approximately 15.5 kDa, a single non-glycosylated polypeptide chain containing 135 amino acids.
<b>AASequence</b>	APTSSPAKET QQHLEQLLLD LQVLLRGIDN YKNLKLPMML TFKFYLPKQA TELKHLQCLE NELGALQRVL DLTQSKSFHL EDAGNFISNI RVTVVKLKGS ENKFECQFDD EPATVVEFLR RWIAICQSII STMTQ
<b>Endotoxin</b>	Less than 1 EU/µg of rRtIL-2, Liquid as determined by LAL method.
<b>Purity</b>	>97% by SDS-PAGE and HPLC analyses.

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**Storage**

Use a manual defrost freezer and avoid repeated freeze-thaw cycles. - 12 months from date of receipt, -20 to -70 °C as supplied. - 1 month, 2 to 8 °C under sterile conditions after reconstitution. - 3 months, -20 to -70 °C under sterile conditions after reconstitution.

**Reconstitution**

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute in sterile distilled water or aqueous buffer containing 0.1 % BSA to a concentration of 0.1-1.0 mg/mL. Stock solutions should be apportioned into working aliquots and stored at ≤ -20 °C. Further dilutions should be made in appropriate buffered solutions.

**GENE INFORMATION**

**Gene Name** [IL2 interleukin 2 \[ Rattus norvegicus \]](#)

**Official Symbol** [IL2](#)

**Synonyms** T-cell Growth Factor, CGF

**Gene ID** [116562](#)

**mRNA Refseq** [NM\\_053836](#)

**Protein Refseq** [NP\\_446288](#)

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