

Active Recombinant Rat IL2 protein

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

SPECIFICATION

Product Overview	Active Recombinant Rat IL2 protein(P17108)(21-155 aa) was expressed in E.coli.
Species	Rat
Source	E.coli
ProteinLength	21-155 aa
Form	A 0.2 µm filtered concentrated sterile solution in 10 mM sodium citrate, pH 4.0, 30 % glycerol.
Bio-activity	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 $> 5.0 \times 10^6$ IU/mg.
Molecular Mass	Approximately 15.5 kDa, a single non-glycosylated polypeptide chain containing 135 amino acids.
AASequence	APTSSPAKET QQHLEQLLLD LQVLLRGIDN YKNLKLPMML TFKFYLPKQA TELKHLQCLE NELGALQRVL DLTQSKSFHL EDAGNFISNI RVTVVKLKGS ENKFECQFDD EPATVVEFLR RWIAICQSII STMTQ
Endotoxin	Less than 1 EU/µg of rRtIL-2, Liquid as determined by LAL method.
Purity	>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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