

Active Recombinant Human IL2 protein

Cat. No. IL2-06H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Active Recombinant Human IL2 protein(P60568)(21-153 aa) was expressed in E. coli.
Species	Human
Source	E. coli
ProteinLength	21-153 aa
Form	Lyophilized from a 0.2 µm filtered concentrated solution in 20 mM PB, pH 3.5.
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 0.1 ng/ml, corresponding to a specific activity of $> 1.0 \times 10^7$ IU/mg.
Molecular Mass	Approximately 15.4 kDa, a single non-glycosylated polypeptide chain containing 133 amino acids.
AASequence	APTSSSTKKT QLQLEHLLLD LQMILNGINN YKNPKLTRML TFKFYMPKKA TELKHLQCLE EELKPLEEVL NLAQSKNFHL RPRDLISNIN VIVLELKGSE TTFMCEYADE TATIVEFLNR WITFCQSIIS TLT
Endotoxin	Less than 1.0 EU/g of rHuIL-2 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 [Homo sapiens]

Official Symbol IL2

Synonyms IL2; interleukin 2; interleukin-2; IL 2; T cell growth factor; TCGF; aldesleukin; involved in regulation of T-cell clonal expansion; IL-2; lymphokine;

Gene ID 3558

mRNA Refseq NM_000586

Protein Refseq NP_000577

MIM 147680

UniProt ID P60568

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