

## Active Recombinant Human IL2 protein

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

### SPECIFICATION

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