

## Active GMP Recombinant Human IL2 protein

Cat. No. IL2-150HG Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Active GMP Recombinant Human IL2 protein was expressed in E. coli.
<b>Species</b>	Human
<b>Source</b>	E. coli
<b>Form</b>	Lyophilized from a 0.2 µ filtered concentrated solution in 20 mM PB, pH 3.5.
<b>Bio-activity</b>	Fully biologically active when compared to standard. Measured in a cell proliferation assay using CTLL-2 cells. The specific activity of recombinant human IL-2 is > 1.0 × 10 <sup>7</sup> IU/mg, which is calibrated against rHuIL-2 WHO International Standard (NIBSC code: 86/500).
<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 EELKPLEEVL NLAQSKNFHL RPRDLISNIN VIVLELKGSE TTFMCEYADE TATIVEFLNR WITFCQSIIS TLT
<b>Endotoxin</b>	Less than 0.01 EU/g of rHuIL-2 GMP as determined by LAL method.
<b>Purity</b>	> 98 % by SDS-PAGE and HPLC analyses.
<b>Storage</b>	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. - 12 months

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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

<b>Gene Name</b>	IL2 interleukin 2 [ Homo sapiens ]
<b>Official Symbol</b>	IL2
<b>Synonyms</b>	IL2; interleukin 2; interleukin-2; IL 2; T cell growth factor; TCGF; aldesleukin; involved in regulation of T-cell clonal expansion; IL-2; lymphokine;
<b>Gene ID</b>	3558
<b>mRNA Refseq</b>	NM_000586
<b>Protein Refseq</b>	NP_000577
<b>MIM</b>	147680
<b>UniProt ID</b>	P60568
<b>SDS-PAGE</b>	
<b>HPLC</b>	

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA