Active GMP Recombinant Human IL2 protein

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

SPECIFICATION

Product Overview	Active GMP Recombinant Human IL2 protein was expressed in E. coli.
Species	Human
Source	E. coli
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. Measured in a cell proliferation assay using CTLL-2 cells. The specific activity of recombinant human IL-2 is > 1.0 × 10^7 IU/mg, which is calibrated against rHuIL-2 WHO International Standard (NIBSC code: 86/500).
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 0.01 EU/μg of rHuIL-2 GMP as determined by LAL method.
Purity	> 98 % by SDS-PAGE and HPLC analyses.
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. - 12 months

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	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
SDS-PAGE	
HPLC	

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