

Active Recombinant Human IL2 Protein, Animal Free

Cat. No. IL2-30H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human IL2 Protein without tag was expressed in Human cells. Animal Free and Xeno Free
Species	Human
Source	Human Cells
Description	IL-2 belongs to the IL-2 protein family. IL-2 is a 15 kDa glycosylated monomer. IL-2 is produced primarily by activated CD4+ T cells, but it is also expressed by naive CD8+ T cells, eosinophils, dendritic, and thymic cells. IL-2 is an essential activator of the immune response, it is required for the growth of T cells, activated B cells and T helper cell differentiation. IL-2 stimulates the activity of NK cells and is involved in anti-inflammatory reactions and in hematopoiesis.
Bio-activity	The specific activity was determined by the dose-dependent stimulation of the proliferation of mouse CTLL-2 cells (mouse cytotoxic T cell line).
Molecular Mass	~15 kDa
Endotoxin	<0.5 EU/ µg
Purity	High Purity, >95% by SDS-PAGE
Stability	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. In general: 12 months from date of receipt, -20 to -80 centigrade as supplied. 1 month, 2 to 8

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centigrade under sterile conditions after reconstitution. 3 months, -20 to -80 centigrade under sterile conditions after reconstitution.

Storage Buffer Lyophilized from a 0.2 µm filtered solution in PBS without carrier protein

Reconstitution Briefly centrifuge the vial before opening. It is recommended to reconstitute the protein in sterile PBS containing 0.1% endotoxin-free recombinant human serum albumin.

GENE INFORMATION

Gene Name IL2 interleukin 2 [Homo sapiens (human)]

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

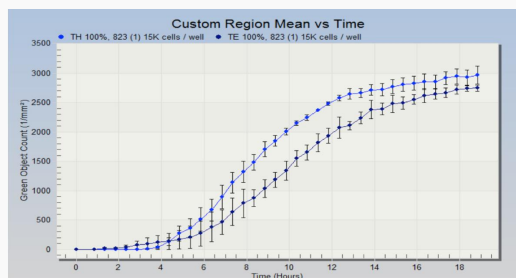
UniProt ID P60568

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Activity assay



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