

## Active Recombinant Human IL2 Protein, Animal Free

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

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human IL2 Protein without tag was expressed in Human cells. Animal Free and Xeno Free
<b>Species</b>	Human
<b>Source</b>	Human Cells
<b>Description</b>	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.
<b>Bio-activity</b>	The specific activity was determined by the dose-dependent stimulation of the proliferation of mouse CTLL-2 cells (mouse cytotoxic T cell line).
<b>Molecular Mass</b>	~15 kDa
<b>Endotoxin</b>	<0.5 EU/ µg
<b>Purity</b>	High Purity, >95% by SDS-PAGE
<b>Stability</b>	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](#)

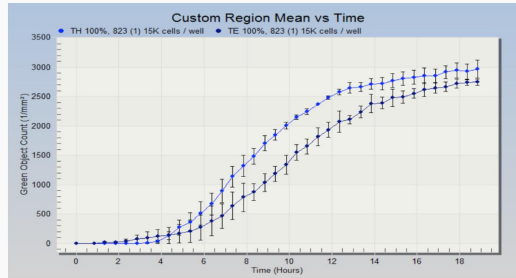
**UniProt ID** [P60568](#)

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## Activity assay



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