

## Active Recombinant Human IL2 protein

Cat. No. IL2-29H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human IL2 was expressed in Insect Cells.
<b>Species</b>	Human
<b>Source</b>	Insect Cells
<b>Form</b>	The protein was 0.22 µm filtered protein solution is in 10mM NaH <sub>2</sub> PO <sub>4</sub> , pH 7.2, 150mM NaCl at 0.2 mg/ml.
<b>Bio-activity</b>	ED <sub>50</sub> =0.5 - 2.0 ng/ml, corresponding to a specific activity of 0.5 - 2.0x10 <sup>6</sup> units/mg, as determined by the dose dependent stimulation of CTLL2 cell proliferation..
<b>Molecular Mass</b>	15.5 kDa
<b>Endotoxin</b>	< 1 EU/g determined by LAL method.
<b>Purity</b>	>95 % as determined by SDS-PAGE analysis
<b>Applications</b>	Bioassay
<b>Storage</b>	Unopened vial can be stored between 2°C and 8°C for three months, at -20°C for six months, or at -70°C for one year. For maximum results, quick spin vial prior to opening. Stock solutions should be prepared at no less than 10 µg/mL in buffer containing ca

 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

## 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>Chromosome Location</b>	4q26-q27
<b>Pathway</b>	Allograft rejection, organism-specific biosystem; Allograft rejection, conserved biosystem; Autoimmune thyroid disease, organism-specific biosystem; Autoimmune thyroid disease, conserved biosystem; Calcineurin-regulated NFAT-dependent transcription in lymphocytes, organism-specific biosystem; Calcium signaling in the CD4+ TCR pathway, organism-specific biosystem; Chagas disease (American trypanosomiasis), organism-specific biosystem;
<b>Function</b>	carbohydrate binding; cytokine activity; glycosphingolipid binding; growth factor activity; interleukin-2 receptor binding; interleukin-2 receptor binding; kappa-type

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opioid receptor binding; kinase activator activity;

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