

RP00668

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# Recombinant Mouse IL-2 Protein

Catalog No.: RP00668

Recombinant

## Sequence Information

Species	Gene ID	Swiss Prot
Mouse	16183	P04351

### Tags

No tag

### Synonyms

IL-2;IL2

## Background

Interleukin 2 (IL 2), also termed T-cell growth factor, is a member of the cytokine family which includes IL-4, IL-7, IL-9, IL-15 and IL-21. Each member of this family has a four alpha helix bundle. IL-2 signals through the IL-2receptor, a complex consisting of three subunits, termed alpha, beta and gamma. The IL-2 R gamma is shared by cytokine receptors of all members of cytokine family. Mature mouse IL -2 shares 56% and 73% aa sequence identity with human and rat IL-2, respectively. IL-2 is produced by CD4+ T cell, CD8+ T cells, gamma δ T cells, Bcells, dendritic cells and eosinophils, and plays a vital role in key function of the immune system, tolerance and immunity, primarily via its potent stimulatory activity for T cells. Thus, IL-2 may be a key cytokine in the natural suppression of autoimmunity.

## Product Information

Source	Purification
E. coli	> 95% by SDS-PAGE.

### Endotoxin

< 1 EU/μg of the protein by LAL method.

### Formulation

Lyophilized from a 0.2 μm filtered solution of 20mM Sodium Citrate, 5% Trehalose, pH4.5. Contact us for customized product form or formulation.

### Reconstitution

Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water.

## Basic Information

### Description

Recombinant Mouse IL-2 Protein is produced by E. coli expression system. The target protein is expressed with sequence (Ala21-Gln169) of mouse IL-2 (Accession #P04351) fused with an initial Met at the N-terminus.

### Bio-Activity

### Storage

Store the lyophilized protein at -20°C to -80 °C for long term. After reconstitution, the protein solution is stable at -20 °C for 3 months, at 2-8 °C for up to 1 week. Avoid repeated freeze/thaw cycles.

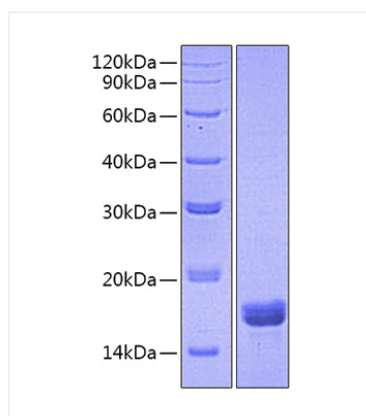
## Contact



[www.abclonal.com](http://www.abclonal.com)

## Validation Data

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Recombinant Mouse IL-2 Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.