

## 32-8594: Recombinant Mouse Interleukin-2/IL-2(Discontinued)

**Gene :** IL2  
**Gene ID :** 16183  
**Uniprot ID :** P04351

### Description

Source: E.coli.  
MW :17.4kD.

Recombinant Mouse Interleukin-2 is produced by our E.coli expression system and the target gene encoding Ala21-Gln169 is expressed. 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-2 receptor, 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 IL2 shares 56% and 73% aa sequence identity with human and rat IL2, respectively. IL-2 is produced by CD4+ T cell, CD8+ T cells, gamma d T cells, B cells, 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, IL2 may be a key cytokine in the natural suppression of autoimmunity.

### Product Info

**Amount :** 10 µg / 50 µg  
**Content :** Lyophilized from a 0.2 µm filtered solution of 20mM Sodium Citrate, 5% Trehalose, pH4.5.  
Lyophilized protein should be stored at -20°C, though stable at room temperature for 3 weeks.  
**Storage condition :** Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at -20°C for 3 months.  
**Amino Acid :** MAPTSSSTSSSTAEAQQQQQQQQQQHLEQLLMDLQELLSRMENYRNKLPRLTFKFKYLPKQATELKDLQ  
CLEDELGPLRHVLDLTQSKSFQLEDAENFISNIRVTVVKLGSDNTFECQFDDESATVVDLRRWIAFCQSIISTS  
PQ

### Application Note

**Endotoxin :** Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.

**Biological Activity :** The ED50 for this effect is typically 0.1-0.4 ng/mL.