

## Product datasheet for **TP727326**

### IL2 Mouse Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant Mouse Interleukin-2/IL2
Species:	Mouse
Expression cDNA Clone or AA Sequence:	Ala21-Gln169
Buffer:	Lyophilized from a 0.2 um filtered solution of 20mM Sodium Citrate, 0.2%Tween 80,pH3.0.
Note:	Recombinant Mouse Interleukin-2 is produced by our E.coli expression system and the target gene encoding Ala21-Gln169 is expressed.
Stability:	12 months from date of despatch
Locus ID:	16183
UniProt ID:	<a href="#">P04351</a>
Summary:	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 Î´ 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.



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