

## Recombinant Cynomolgus IL2 Protein, His-tagged

Cat. No. IL2-53C Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Cynomolgus IL2 Protein, fused to His-tag, was expressed in HEK293.
<b>Species</b>	Cynomolgus
<b>Source</b>	HEK293
<b>Description</b>	<p>This gene is a member of the interleukin 2 (IL2) cytokine subfamily which includes IL4, IL7, IL9, IL15, IL21, erythropoietin, and thrombopoietin. The protein encoded by this gene is a secreted cytokine produced by activated CD4+ and CD8+ T lymphocytes, that is important for the proliferation of T and B lymphocytes. The receptor of this cytokine (IL2R) is a heterotrimeric protein complex whose gamma chain is also shared by IL4 and IL7. The expression of this gene in mature thymocytes is monoallelic, which represents an unusual regulatory mode for controlling the precise expression of a single gene. The targeted disruption of a similar gene in mice leads to ulcerative colitis-like disease, which suggests an essential role of this gene in the immune response to antigenic stimuli.</p>
<b>Form</b>	PBS, pH 7.4.
<b>Molecular Mass</b>	18.5 kDa
<b>AA Sequence</b>	<p>MYRMQLLSCIALSLALVTNSAPTSSSTKKTQLQLEHLLLDLQMLNGINNYKNPKLTR MLTFKIFYMPKKATELRHLQCLEEEELKPLEEVNLNLAQSKSFHLRDTKDLISNINVIVLEL KGSETTLMCEYADETATIVEFLNRWITFCQSIISTLTHHHHHH</p>

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<b>Purity</b>	>90%
<b>Storage</b>	Store it under sterile conditions at -20 to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
<b>Concentration</b>	0.84 mg/ml

## GENE INFORMATION

<b>Gene Name</b>	IL2 interleukin 2 [ <i>Macaca mulatta</i> (Rhesus monkey) ]
<b>Official Symbol</b>	IL2
<b>Synonyms</b>	IL-2; TCGF; lymphokine
<b>Gene ID</b>	708017
<b>mRNA Refseq</b>	NM_001047130
<b>Protein Refseq</b>	NP_001040595
<b>UniProt ID</b>	A0A2K5VAW2