

Recombinant Cynomolgus IL2 Protein, His-tagged

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

SPECIFICATION

Product Overview	Recombinant Cynomolgus IL2 Protein, fused to His-tag, was expressed in HEK293.
Species	Cynomolgus
Source	HEK293
Description	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.
Form	PBS, pH 7.4.
Molecular Mass	18.5 kDa
AA Sequence	MYRMQLLSCIALSLALVTNSAPTSSSTKKTQLQLEHLLLDLQMLNGINNYKNPKLTR MLTFKFYMPKKATELRHLQCLEEELKPLEEVNLNAQSKSFHLRDTKDLISNINVIVLEL KGSETTLMCEYADETATIVEFLNRWITFCQSIISTLTHHHHHH

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Purity	>90%
Storage	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.
Concentration	0.84 mg/ml

GENE INFORMATION

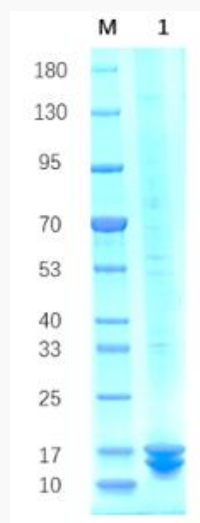
Gene Name	IL2 interleukin 2 [Macaca mulatta (Rhesus monkey)]
Official Symbol	IL2
Synonyms	IL-2; TCGF; lymphokine
Gene ID	708017
mRNA Refseq	NM_001047130
Protein Refseq	NP_001040595
UniProt ID	A0A2K5VAW2

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SDS-PAGE



Reducing 12% SDS-PAGE analysis profile of purified IL2 (CBB stained).

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