

Recombinant Active Mouse IL2 Protein, His-tagged(C-ter)

Cat. No. IL2-170M Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Active Mouse IL2 Protein with His tag (C-ter) was expressed in E. coli.
Species	Mouse
Source	E.coli
Description	The protein encoded by this gene is a secreted cytokine that is important for the proliferation of T and B lymphocytes. The receptor of this cytokine is a heterotrimeric protein complex whose gamma chain is also shared by interleukin 4 (IL4) and interleukin 7 (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. [provided by RefSeq, Jul 2008]
Form	Powder
Bio-activity	Determined by its ability to induce CTLL-2 cells proliferation. The ED50 for this effect is < 0.3 ng/mL. The specific activity of recombinant mouse IL-2 is approximately > 3 x 10 ⁶ IU/mg.
AA Sequence	MAPTSSSTSSSTAEAQQQQQQQQQQQHLEQLLMDLQELLSRMENYRNLKLPRM LTFKFYLPKQATELKDLCLEDELGPLRHVLDLTQSKSFQLEDAENFISNIRVTVVKLK GSDNTFECQFDDESATVVDFLRRWIAFCQSIISTSPQ

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Endotoxin	Endotoxin level is less than 0.1 EU/μg of the protein, as determined by the LAL test.
Purity	> 98% (by SDS-PAGE)
Applications	SDS-PAGE
Notes	For laboratory research only, not for drug, diagnostic or other use.
Storage	Lyophilized protein should be stored at -20°C. After reconstitution, aliquot and store at -20°C or -80°C for up to one month. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening.
Storage Buffer	PBS (pH 7.4)
Reconstitution	It is recommended to reconstitute the lyophilized protein in sterile water to a concentration not less than 100 μg/mL and incubate the stock solution for at least 20 min at room temperature to make sure the protein is dissolved completely.

GENE INFORMATION

Gene Name	IL2 interleukin 2 [<i>Mus musculus</i>]
Official Symbol	IL2
Synonyms	IL2; interleukin 2; interleukin-2; TCGF; T-cell growth factor; IL-2;
Gene ID	16183
mRNA Refseq	NM_008366

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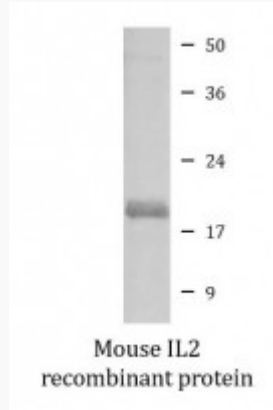
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Protein Refseq

NP_032392

SDS-PAGE



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