

Active Recombinant Mouse IL7 Protein (Glu26-Ile154), C-His tagged, Animal-free, Carrier-free

Cat. No. IL7-62M Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse IL7 Protein (Glu26-Ile154) with C-His tag was expressed in E. coli and Animal-free as well as Carrier-free.
Species	Mouse
Source	E.coli
ProteinLength	Glu26-Ile154
Description	Interleukin-7 (IL-7) is a multipotent cytokine belonged to one of the members of IL-2 superfamily. IL-7 has diverse effects on the hematopoietic and immune regulations. IL-7 is a trophic factor that is necessary for both B cell and T cell proliferation and development. In addition, it presents potential antitumor effects in tumors such as glioma, melanoma, lymphoma, leukemia, prostate cancer, and glioblastoma.
Form	Lyophilized
Bio-activity	Measured in a cell proliferation assay using PHA-activated human peripheral blood lymphocytes (PBMC). The ED50 for this effect is < 0.2 ng/mL. The specific activity of recombinant mouse IL-7 is > 5 × 10 ⁶ IU/mg.
Molecular Mass	The protein has a calculated MW of 15.8 kDa. The protein migrates as 16 kDa under reducing condition (SDS-PAGE analysis).

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Endotoxin	< 0.1 EU/μg of the protein by the LAL method.
Purity	>98% as determined by SDS-PAGE analysis.
Storage	This product is stable after storage at: -20 centigrade for 12 months in lyophilized state from date of receipt. -20 or -80 centigrade for 1 month under sterile conditions after reconstitution. Avoid repeated freeze/thaw cycles.
Storage Buffer	Lyophilized from a 0.2 μm filtered solution of PBS, pH 7.4.
Reconstitution	It is recommended to reconstitute the lyophilized protein in sterile H ₂ O to a concentration not less than 200 μg/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.
Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at -20 centigrade or lower for long term storage.

GENE INFORMATION

Gene Name	IL7 interleukin 7 [<i>Mus musculus</i> (house mouse)]
Official Symbol	IL7
Synonyms	IL7; interleukin 7; interleukin-7; IL-7; hlb368; A630026I06Rik; MGC129342;
Gene ID	16196
mRNA Refseq	NM_008371
Protein Refseq	NP_032397

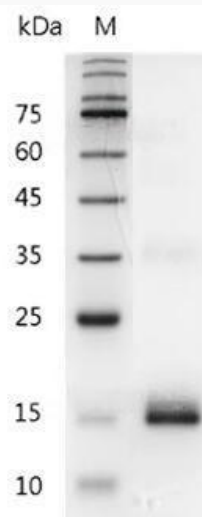
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UniProt ID**P10168**

**SDS-PAGE analysis
of recombinant
mouse IL-7.**



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