

Active Recombinant Mouse IL7 protein, His-tagged

Cat. No. IL7-0189M Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse IL7 protein(Glu26-Ile154), fused with His tag, was expressed in HEK293.
Species	Mouse
Source	HEK293
ProteinLength	26-154 a.a.
Form	Lyophilized from 0.22 µm filtered solution in PBS, pH7.4 with trehalose as protectant.
Bio-activity	Immobilized Mouse IL-7 Protein, His Tag at 2 µg/mL (100 µL/well) can bind Human IL-7 R alpha, Mouse IgG2a Fc Tag with a linear range of 0.2-2 ng/mL.
Molecular Mass	This protein carries a polyhistidine tag at the C-terminusThe protein has a calculated MW of 16.8 kDa. The protein migrates as 20 kDa and 26-30 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.
Proteinlength	Glu26-Ile154
Endotoxin	Less than 0.1 EU per µg by the LAL method.
Purity	>90% as determined by SDS-PAGE.
Storage	For long term, the product should be stored at lyophilized state at -20°C or

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lower. Please avoid repeated freeze-thaw cycles. This product is stable after at: -20°C to -70°C for 12 months in lyophilized state; -70°C for 3 months under sterile conditions after reconstitution.

Reconstitution

It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name	IL7 interleukin 7 [<i>Mus musculus</i>]
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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