

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 C-terminal His tag, was expressed in HEK293.
Species	Mouse
Source	HEK293
ProteinLength	26-154 aa
Form	Lyophilized from a 0.22 µm filtered solution of PBS, pH 7.4.
Bio-activity	Measured in a cell proliferation assay using murine 2E8 cells. The ED50 for this effect is 1.1-4.2 ng/mL, corresponding to a specific activity of 2.38×10^5 – 9.1×10^5 units/mg.
Molecular Mass	15.74 kDa
Endotoxin	< 0.01 EU/µg of the protein by LAL method
Purity	≥ 90 % as determined by SDS-PAGE.
Storage	Store at -20°C.Store the lyophilized protein at -20°C to -80°C up to 1 year from the date of receipt.After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.

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Reconstitution

Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

GENE INFORMATION

Gene Name IL7 interleukin 7 [*Mus musculus*]

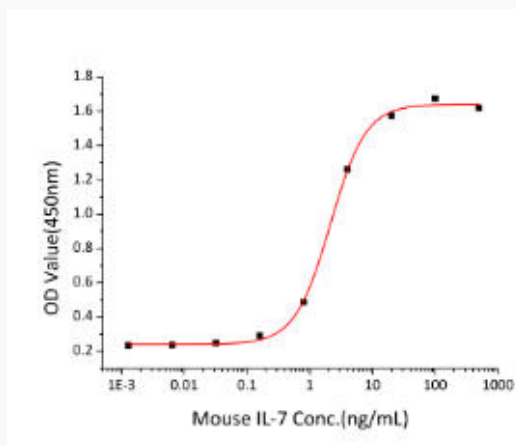
Official Symbol IL7

Synonyms IL7; interleukin 7; interleukin-7; IL-7; hlb368; A630026I06Rik; MGC129342;

Gene ID 16196

mRNA Refseq NM_008371

Protein Refseq NP_032397

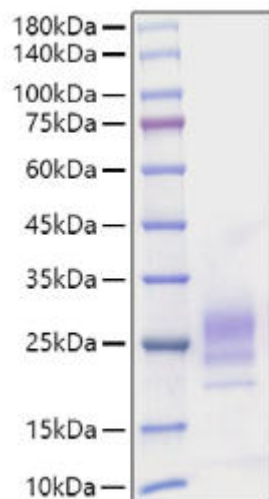
Activity


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SDS-PAGE



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