

Recombinant Murine Interleukin-7 (rm IL-7)

Interleukin-7 is a hematopoietic growth factor which affects primarily early B and T cells. Produced by thymic stromal cells, spleen cells and keratinocytes, IL-7 can also co-stimulate the proliferation of mature T cells in combination with other factors such as ConA and IL-2.

Human and murine IL-7 is cross-species reactive.

Recombinant murine IL-7 produced in *E.Coli* is a single, non-glycosylated, polypeptide chain containing 130 amino acids and having a molecular mass of 14.9 kDa.

Synonyms :	Lymphopietin 1 (LP-1), pre-B cell factor
Source:	<i>Escherichia coli</i>
AA Sequence:	The sequence of the first five N-terminal amino acids was determined and was found to be Met-Glu-Cys-His-Ile
Formulation:	Lyophilisate from a 0.22 µm filtered carrier free solution in 25mM sodium phosphate, pH 7.5 containing 200mM NaCl
Reconstitution:	Reconstitute in sterile endotoxin free water not less than 100 µg/ml
Stability:	The lyophilized protein is stable for at least 2 years at -20°C. Reconstituted rm IL-7 is stable for at least 3 months when stored in concentrated working aliquots (100 ng/µl or higher) at -20°C. Avoid repeated freeze/thaw cycles.
Biological Activity:	Determined by the dose-dependant stimulation of murine 2E8 cells the ED50 is < 0.2 ng/ml
Purity:	95% (verified by SDS-PAGE / silver stain)
Endotoxicity:	The endotoxin level is less than 0.1 ng per µg (1EU/µg) determined by LAL method
Order N°:	rm IL-7 +Size available sizes: 2 µg, 10 µg, 50 µg

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