



## Technical Data Sheet

### Recombinant Human Interleukin-7 (rHuIL-7)

#### *Human Interleukin-7*

IL-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

Catalog Number:	RC212-18
Source:	<i>Escherichia coli</i> .
Molecular Weight:	Approximately 17.4 kD, a single non-glycosylated polypeptide chain containing 153 amino acids.
Quantity:	2ug/10ug/100ug/1.0mg
AA Sequence:	MDCDIEGKDG KQYESVLMVS IDQLLDMSMKE IGSNCLNNEF NFFKRHICDA NKEGMFLFRA ARKLRQFLKM NSTGDFDLHL LKVSEGTTL LNCTGQVKGR KPAALGEOQP TKSLEENKSL KEQKKLNDLC FLKRLLOEIK TCWNKILMGT KEH
Purity:	>95% by SDS-PAGE and HPLC analyses.
Biological Activity:	Test in process
Formulation:	Lyophilized from a 0.2µm filtered concentrated solution in PBS, pH 7.4.
Endotoxin:	Less than 1EU/µg of rHuIL-7 as determined by LAL method.
Reconstitution:	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute in sterile distilled water or aqueous buffer containing 0.1% BSA to a concentration of 0.1-1.0 mg/ml. Stock solutions should be apportioned into working aliquots and stored at <-20°C. Further dilutions should be made in appropriate buffered solutions.
Storage:	This lyophilized preparation is stable for several weeks at 2-8°C, but should be kept at -20°C for long term storage, preferably desiccated. Upon reconstitution, the preparation is stable for up to one week at 2-8°C. For maximal stability, apportion the reconstituted preparation into working aliquots and store at -20°C to -70°C. Avoid repeated freeze/thaw cycles.
Usage:	This material is offered by Bio Basic Inc for research, laboratory or further evaluation purposes. NOT FOR HUMAN USE.



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