

Overview

Synonyms	Lymphopoietin 1(LP-1), pre-B cell factor
Description	Interleukin-7 (IL-7) , also known as lymphopoietin 1 and pre-B cell factor, is a hematopoietic growth factor belonging to the IL-7/IL-9 family. It is produced by keratinocytes, dendritic cells, hepatocytes, neurons and epithelial cells. IL-7 binds and signals through IL-7 receptor, a heterodimer consisting of IL-7 receptor alpha and common gamma chain receptor. IL-7 plays a role in regulating early B cell and T cell development. It is also important for optimal dendritic cell-T cell interaction.
Species	Mouse
Source	CHO
Biological Activity	ED ₅₀ <0.4ng/ml, measured in a cell proliferation assay using 2E8 cells.
Sequence	ECHIKDKEGK AYESVLMISI DELDKMTGTD SNCPNNEPNF FRKHVCD DTK EAAFLNRAAR KLKQFLKMNI SEEFNVHLLT VSQGTQTLVN CTSKEEKNVK EQKKN DACFL KRLLEIKTC WNKILKGSIH HHHHH

Properties

Measured Molecular Weight	8-28kDa, observed by reducing SDS-PAGE.
Purity	> 95% as analyzed by SDS-PAGE.
Formulation	Lyophilized after extensive dialysis against PBS.
Reconstitution	Reconstituted in ddH ₂ O or PBS at 100 µg/ml.
Endotoxin Level	<0.2 EU/µg, determined by LAL method.
Storage	Lyophilized recombinant murine Interleukin-7 (IL-7), His remains stable up to 6 months at lower than -70°C from date of receipt. Upon reconstitution, murine Interleukin-7 (IL-7), His should be stable up to 1 week at 4°C or up to 2 months at -20°C.
Note	For research use only

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