

Recombinant Human IL7 Protein, His-tagged

Cat. No. IL7-55H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human IL7 Protein, fused to His-tag, was expressed in HEK293.
Species	Human
Source	HEK293
Description	The protein encoded by this gene is a cytokine important for B and T cell development. This cytokine and the hepatocyte growth factor (HGF) form a heterodimer that functions as a pre-pro-B cell growth-stimulating factor. IL7 is found to be a cofactor for V(D)J rearrangement of the T cell receptor beta (TCRB) during early T cell development. This cytokine can be produced locally by intestinal epithelial and epithelial goblet cells, and may serve as a regulatory factor for intestinal mucosal lymphocytes. IL7 plays an essential role in lymphoid cell survival, and in the maintenance of naive and memory T cells.
Form	PBS, pH7.4.
Molecular Mass	18.21 kDa
AA Sequence	DCDIEGKDGKQYESVLMVSIQLLDSMKEIGSNCLNNEFNFFKRHICDANKEGMFLF RAARKLRQFLKMNSTGDFDLHLLKVSEGTTILLNCTGQVKGRKPAALGEAQPTKSLE ENKSLKEQKKLNDLCFLKRLLQEIKTCWNKILMGTKHEHHHHHHH
Purity	>90%

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Storage

Store it under sterile conditions at -20 to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

Concentration

0.3 mg/ml

GENE INFORMATION**Gene Name**

IL7 interleukin 7 [Homo sapiens (human)]

Official Symbol

IL7

Synonyms

IL-7

Gene ID

3574

mRNA Refseq

NM_000880

Protein Refseq

NP_000871

MIM

146660

UniProt ID

P13232

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