

Active Recombinant Human IL7 Full Length protein, His tagged

Cat. No. IL7-507H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human IL7 protein(Asp26-His177), fused with C-terminal His tag, was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	Asp26-His177
Tag	C-His
Form	Lyophilized from sterile PBS, pH7.4, 5% trehalose, 5% mannitol.
Bio-activity	Measured in a cell proliferation assay using PHA-activated human peripheral blood lymphocytes (PBL). The ED50 for this effect is 142.2 pg/mL.
Molecular Mass	The protein has a calculated MW of 18.2kDa, and migrates as an approximately 19-30kDa band in SDS-PAGE under reducing conditions.
Endotoxin	<1.0EU per 1µg (determined by the LAL method).
Purity	> 90 % as determined by SDS-PAGE.
Storage	Store it under sterile conditions at -80°C. It is recommended that the protein be

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aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

Reconstitution

It is recommended that sterile water be added to the vial to prepare a stock solution of 0.3 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

AA Sequence

DCDIEGKDGKQYESVLMVSIQLLDSMKEIGSNCLNNEFNFFKRHICDANKEGMFLF
RAARKLRQFLKMNSTGDFDLHLLKVSEGTTILLNCTGQVKGRKPAALGEAQPTKSLE
ENKSLKEQKKLNDLCFLKRLQLQEIKTCWNKILMGTKHHHHHHH

GENE INFORMATION

Gene Name IL7 interleukin 7 [Homo sapiens]

Official Symbol IL7

Synonyms IL7; interleukin 7; interleukin-7; IL 7; IL-7;

Gene ID 3574

mRNA Refseq NM_000880

Protein Refseq NP_000871

MIM 146660

UniProt ID P13232

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