

Active Recombinant Human IL7 Protein, Animal Free

Cat. No. IL7-38H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human IL7 Protein without tag was expressed in Human cells. Animal Free and Xeno Free
Species	Human
Source	Human Cells
Description	IL-7 is secreted by stromal cells in the bone marrow and thymus and belong to a hematopoietic growth factors. IL-7 stimulates the differentiation of multipotent (pluripotent) hematopoietic stem cells into lymphoid progenitor cells. IL-7 could also be beneficial in improving immune recovery after allogenic stem cell transplant.
Bio-activity	The activity was measured by its ability to stimulate the proliferation of murine 2E8 cells.
Molecular Mass	9-30 kDa
Endotoxin	<0.5 EU/ µg
Purity	High Purity, >95% by SDS-PAGE
Stability	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. In general: 12 months from date of receipt, -20 to -80 centigrade as supplied. 1 month, 2 to 8 centigrade under sterile conditions after reconstitution. 3 months, -20 to -80 centigrade under sterile conditions after reconstitution.

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Storage Buffer	Lyophilized from a 0.2 µm filtered solution in PBS without carrier protein
Reconstitution	Briefly centrifuge the vial before opening. It is recommended to reconstitute the protein in sterile PBS containing 0.1% endotoxin-free recombinant human serum albumin.
GENE INFORMATION	
Gene Name	IL7 interleukin 7 [Homo sapiens (human)]
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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