

## Active Recombinant Human IL7 Protein, Animal Free

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

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human IL7 Protein without tag was expressed in Human cells. Animal Free and Xeno Free
<b>Species</b>	Human
<b>Source</b>	Human Cells
<b>Description</b>	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.
<b>Bio-activity</b>	The activity was measured by its ability to stimulate the proliferation of murine 2E8 cells.
<b>Molecular Mass</b>	9-30 kDa
<b>Endotoxin</b>	<0.5 EU/ µg
<b>Purity</b>	High Purity, >95% by SDS-PAGE
<b>Stability</b>	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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