

**CHASELECTION**  
**Recombinant Human Interleukin-7/**  
**IL-7**

Catalog Number:CYG022F0XXX/CY022F0XXX

**Synonym:** Lymphopoietin 1(LP-1), pre-B cell factor

**Source:** E.coli

**Structure:**

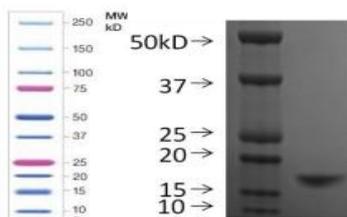
Assession Number: P13232(Ser24-His177)

**Formulation:** PBS trehalose, mannitol, pH 7.4

**Purity:**

≥95 % as determined by SDS-PAGE & HPLC.

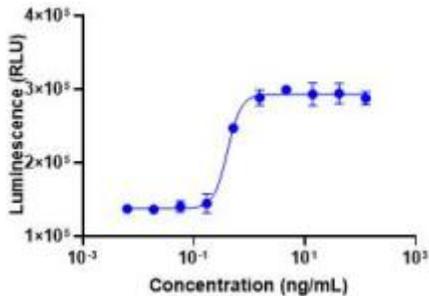
**SDS-PAGE:**



SDS-PAGE showed a protein molecular weight of approximately 17kDa

**Endotoxin:** < 0.1 EU/μg

**Biological Activity:**



Measured by its ability to stimulate proliferation of PHA-activated human peripheral blood mononuclear cell (PBMC). The specific activity of recombinant Human IL-7 is  $\geq 1.0 \times 10^7$  units/mg.

**Reconstitution:**

1. Before opening, please briefly centrifuge the contents to the bottom;
2. It is recommended to initially dissolve in sterile deionized water to an appropriate concentration (recommended concentration is 0.2-1mg/ml);
3. If further dilution is required, it is recommended to dilute the solution with a solution containing carrier proteins (such as 0.1% BSA, 10% FBS, and 5% HSA).

**Shipping & Storage:**

The product is shipped with blue ice.

If long-term storage is required, this product should be stored at  $\leq -20$  °C, please avoid repeated freeze-thaw cycles.

1. Dry powder can be stored at  $\leq -20$  for at least 24 months;
2. After reconstitution, it can be stored for 1 month under sterile conditions at 2-8 °C ;
3. After reconstitution, it can be stored for 12 months under sterile conditions at -20~-70°C.

**Introduction**

IL-7 is a hematopoietic growth factor that primarily affects early B and T cells. Produced by thymic stromal cells, spleen cells and keratinocytes, IL-7 can also co-stimulate the proliferation of mature T cells in combination with other factors, such as ConA and IL-2.