

Recombinant Mouse IL-7 Protein

Catalog No.: RP02776LQ **Recombinant**

Sequence Information

Species	Gene ID	Swiss Prot
Mouse	16196	P10168

Tags

No tag

Synonyms

IL7; IL-7; IL-7interleukin-7; interleukin 7;
Lymphopoietin-1; PBGF; IL7

Product Information

Source	Purification
HEK293 cells	> 95% by SDS-PAGE.

Calculated MW	Observed MW
14.9 kDa	25-30 kDa

Endotoxin

<0.01EU/μg

Formulation

Supplied as a 0.22 μm filtered solution in PBS, pH 7.4.

Reconstitution

Background

IL7, also known as interleukin 7, is a hematopoietic growth factor that belongs to the IL-7/IL-9 family. It is secreted by stromal cells in the bone marrow and thymus. IL7 stimulates the proliferation of lymphoid progenitors. It is important for proliferation during certain stages of B-cell maturation. IL7 and the hepatocyte growth factor (HGF) form a heterodimer that functions as a pre-pro-B cell growth-stimulating factor. It is found to be a cofactor for V(D)J rearrangement of the T cell receptor beta (TCR?) during early T cell development. IL7 can be produced locally by intestinal epithelial and epithelial goblet cells and may serve as a regulatory factor for intestinal mucosal lymphocytes.

Basic Information

Description

Recombinant Mouse IL-7 Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Glu26-Ile154) of mouse IL-7 (Accession #NP_032397.1) fused with no additional amino acid.

Bio-Activity

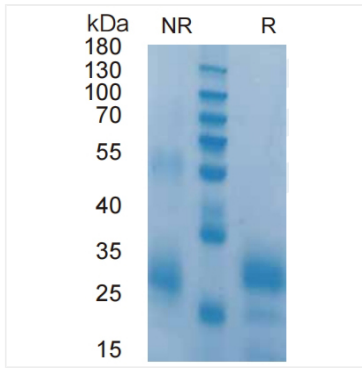
Storage

Store at -70°C. This product is stable at ≤ -70°C for up to 1 year from the date of receipt. For optimal storage, aliquot into smaller quantities after centrifugation and store at recommended temperature. Avoid repeated freeze-thaw cycles. Avoid repeated freeze/thaw cycles.

Contact

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Validation Data



Recombinant Mouse IL-7 Protein was determined by SDS-PAGE with Coomassie Blue, showing a band at 25-30kDa.