

Recombinant Mouse IL-7 (C-6His)

Catalog No : PMK2154

Known As: IL-7; IL-7 interleukin-7; interleukin-7; Lymphopoietin -1; PBGF

PROPERTIES

Description	Recombinant Mouse Interleukin-7 is produced by our Mammalian expression system and the target gene encoding Glu26-Ile154 is expressed with a 6His tag at the Cterminus.
Accession	P10168
Formulation	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.
Size	10µg/50µg/500µg/1mg
Purity	> 95%
Endotoxin	< 1 EU/µg as determined by LAL test.
Predicted Mol Mass	15.9 KDa
Apparent Mol Mass	22-28 KDa, reducing conditions
Reconstitution	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100µg/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature listed below.
Storage	Lyophilized protein should be stored at ≤ -20°C, stable for one year after receipt. Reconstituted protein solution can be stored at 2-8°C for 2-7 days. Aliquots of reconstituted samples are stable at ≤ -20°C for 3 months.
Background	Mouse interleukin-7(IL-7) is the member of hemopoietin family which is important to the differentiation, proliferation, and survival of lymphocyte. Mouse IL-7 shares approximately 88% aa sequence identity with rat IL-7 and 58-60% with human, equine, bovine, ovine, porcine, feline and canine IL-7. It is widely expressed in primary and secondary lymphoid tissues cell and stromal epithelial cells of the thymus, bone marrow, and intestines. IL-7 activation of IL-7 R alpha is critical for both T cell and B cell lineage development. It is important for proliferation during certain stages of B cell maturation. IL-7 contributes to the maintenance of all naïve and memory T cells, mainly by promoting expression of the anti-apoptotic protein Bcl-2. It is required for optimal T cell-dendritic cell interaction.

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