

Product Datasheet

IL-7 Protein, Mouse, Recombinant (His) (orb1962173)

Description	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.
Storage	-20°C
Tag	C-6xHis
Note	For research use only
Application notes	Reconstitute the lyophilized protein in distilled water. The product concentration should not be less than 100 µg/ml. Before opening, centrifuge the tube to collect powder at the bottom. After adding the reconstitution buffer, avoid vortexing or pipetting for mixing.
Protein Sequence	Glu26-Ile154
Purity	> 99.9%
MW	22-28 KDa (reducing condition)
Uniprot ID	P10168
Expiration Date	6 months from date of receipt.

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