

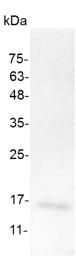
PRODUCT INFORMATION

IL-7 (Interleukin-7), Mouse

v. 231101

Catalog number	C02009-5UG / C02009-20UG / C02009-100UG
Package	5 μg / 20 μg / 100 μg
Description	Interleukin 7 (IL-7) is a protein that in humans is encoded by the IL7 gene. IL-7 stimulates the differentiation of multipotent (pluripotent) hematopoietic stem cells into lymphoid progenitor cells. It is important for proliferation during certain stages of B-cell maturation, T and NK cell survival, development and homeostasis.
Source	Escherichia coli
Sequence	MECHIKDKEGKAYESVLMISIDELDKMTGTDSNCPNNEPNFFRKHVCDDTKEA AFLNRAARKLKQFLKMNISEEFNVHLLTVSQGTQTLVNCTSKEEKNVKEQKKND ACFLKRLLREIKTCWNKILKGSI with polyhistidine tag at the C-terminus
Endotoxin level	<0.1 EU per 1 µg of the protein by the LAL method.
Activity	Measured in a cell proliferation assay using PHA-activated human peripheral blood lymphocytes (PBMC). The ED $_{50}$ for this effect is <0.2 ng/mL. The specific activity of recombinant mouse IL-7 is > 5 x 10 6 IU/mg.
Purity	>98% as determined by SDS-PAGE.
Form	Lyophilized
Storage Buffer	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.
Reconstitution	It is recommended to reconstitute the lyophilized protein in sterile H_2O to a concentration not less than 200 $\mu g/mL$ and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.
Stability & Storage	This product is stable after storage at: 20°C for 12 months in lyophilized state from date of receipt. 20°C or -80°C for 1 month under sterile conditions after reconstitution. Avoid repeated freeze/thaw cycles.





SDS-PAGE analysis of recombinant mouse IL-7

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