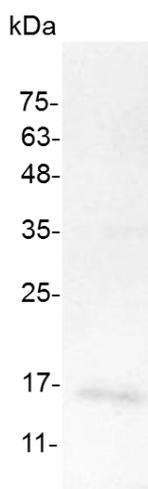


PRODUCT INFORMATION
IL-7 (Interleukin-7), Mouse

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	<i>Escherichia coli</i>
Sequence	MECHIKDKEGKAYESVLMISIDELDKMTGTDSNCPNNEPNFFRKHVCDDTKEAA FLNRAARKLKQFLKMNISEEFNVHLLTVSQGTQTLVNCTSKEEKNVKEQKKNDA CFLKRLLEIKTCWNKILKGS I 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. Ni-NTA chromatography
Formulation	The protein was lyophilized from a solution containing 1X PBS, pH 7.4.
Reconstitution	It is recommended to reconstitute the lyophilized protein in sterile H ₂ O to a concentration not less than 100 µg/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.
Storage	Lyophilized protein should be stored at -20°C. Upon reconstitution, protein aliquots should be stored at -20°C or -80°C.
Note	Please use within one month after protein reconstitution.



SDS-PAGE analysis of recombinant mouse IL-7

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