Active Recombinant Mouse Il7 Protein

Cat. No. Il7-118M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of Mouse interleukin 7 (Il7) (Glu26 -Ile154) without tag was expressed Sf9 cell.
Species	Mouse
Source	Insect Cells
Description	The protein encoded by this gene is a hematopoietic growth factor important for B and T cell development. Alternative splicing results in several transcript variants encoding different isoforms.
Bio-activity	The ED50 is 1.0 - 5 ng/ml, corresponding to a specific activity of 0.2 - 1 x 10^6 units/mg, determined by PHA activated PBL proliferation induced by IL-7 in a dose dependent manner. Under this condition the bioactivity is equivalent
Molecular Mass	17 kDa
Endotoxin	Less than 0.01 ng per μg protein as determined by the LAL method
Purity	>95%, as determined by SDS-PAGE and Coomassie blue staining
Stability	Unopened vial can be stored between 2 centigrade and 8 centigrade for up to 2 weeks, at -20 centigrade for up to 6 months, or at -70 centigrade or below until the expiration date. Aliquots can be stored between 2 centigrade and 8 centigrade for up to one week and stored at -20 centigrade or colder for up to 3 months. Avoid repeated

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	freeze/thaw cycles.
Storage	Store at -80 centigrade.
Concentration	Protein formulated and vialed at >50 ug/mL in specified buffer
Storage Buffer	10 mM NaH2PO4, 150 mM NaCl, pH7.2

GENE INFORMATION

Gene Name	Il7 interleukin 7 [Mus musculus (house mouse)]
Official Symbol	Il7
Synonyms	Il7; interleukin 7; Il-7; hlb368; A630026I06Rik; interleukin-7
Gene ID	16196
mRNA Refseq	NM_008371
Protein Refseq	NP_032397
UniProt ID	P10168

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