

Recombinant Chicken IL7 Protein, His-tagged

Cat. No. IL7-01C **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Chicken IL7 Protein, fused to His-tag, was expressed in E. coli.
Species	Chicken
Source	E.coli
Description	The protein encoded by this gene is a cytokine important for B and T cell development. This cytokine and the hepatocyte growth factor (HGF) form a heterodimer that functions as a pre-pro-B cell growth-stimulating factor. IL7 is found to be a cofactor for V(D)J rearrangement of the T cell receptor beta (TCRB) during early T cell development. This cytokine can be produced locally by intestinal epithelial and epithelial goblet cells, and may serve as a regulatory factor for intestinal mucosal lymphocytes. IL7 plays an essential role in lymphoid cell survival, and in the maintenance of naive and memory T cells. Alternative splicing results in multiple transcript variants encoding distinct isoforms.
Form	50mM Tris, 300mM NaCl, pH 8.0.
Molecular Mass	15 kDa
AA Sequence	MHHHHHHSSCTMGNKTTEIRVKYENILSHDIEELVNMSAEYRDRCCCKNKRHEHNKV FFCNDTQEIGSLQSMACNMLRFFNKQKINKEFRRKAALVSCGTLQVLQCKCERHKK EKSINASCSQISGKEQQ
Endotoxin	1EU/ug by LAL

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Purity	> 90%
Storage	Store it under sterile conditions at -20 to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Concentration	0.056 mg/ml

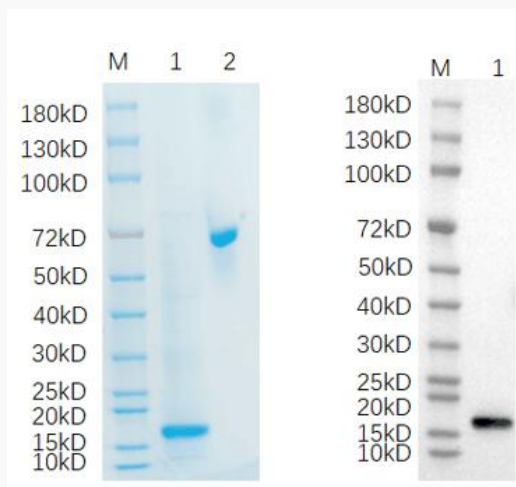
GENE INFORMATION

Gene Name	IL7 interleukin 7 [Gallus gallus (chicken)]
Official Symbol	IL7
Synonyms	IL-7
Gene ID	420193
mRNA Refseq	NM_001398241
Protein Refseq	NP_001385170
UniProt ID	B1GVZ6

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Reducing 12% SDS-PAGE and WB analysis profiles of purified IL7