

## Recombinant Chicken IL7 Protein, His-tagged

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

### SPECIFICATION

|                         |   |
|-------------------------|---|
| <b>Product Overview</b> | Recombinant Chicken IL7 Protein, fused to His-tag, was expressed in E. coli.  |
| <b>Species</b>          | Chicken   |
| <b>Source</b>           | E.coli  |
| <b>Description</b>      | 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. |
| <b>Form</b>             | 50mM Tris, 300mM NaCl, pH 8.0.  |
| <b>Molecular Mass</b>   | 15 kDa  |
| <b>AA Sequence</b>      | MHHHHHHSSCTMGNKTTEIRVKYENILSHDIEELVNMSAEYRDRCCCKNKRHEHNKV<br>FFCNDTQEIGSLQSMACNMLRFFNKQKINKEFRRKAALVSCGTLQVLQCKCERHKK<br>EKSINASCQSISGKEQQ  |
| <b>Endotoxin</b>        | 1EU/ug by LAL   |

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

**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

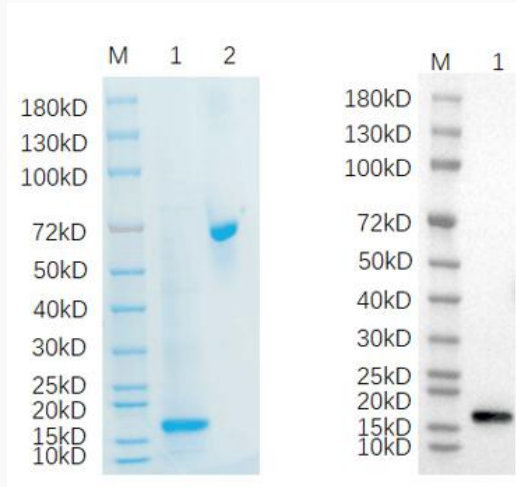
**Protein Refseq** NP\_001385170

**UniProt ID** B1GVZ6

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

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