

## Active Recombinant Mouse IL7 Protein (Glu26-Ile154), C-His tagged, Animal-free, Carrier-free

Cat. No. IL7-62M Lot. No. (See product label)

### SPECIFICATION

|                         |   |
|-------------------------|---|
| <b>Product Overview</b> | Recombinant Mouse IL7 Protein (Glu26-Ile154) with C-His tag was expressed in E. coli and Animal-free as well as Carrier-free.   |
| <b>Species</b>          | Mouse   |
| <b>Source</b>           | E.coli  |
| <b>ProteinLength</b>    | Glu26-Ile154  |
| <b>Description</b>      | Interleukin-7 (IL-7) is a multipotent cytokine belonged to one of the members of IL-2 superfamily. IL-7 has diverse effects on the hematopoietic and immune regulations. IL-7 is a trophic factor that is necessary for both B cell and T cell proliferation and development. In addition, it presents potential antitumor effects in tumors such as glioma, melanoma, lymphoma, leukemia, prostate cancer, and glioblastoma. |
| <b>Form</b>             | Lyophilized   |
| <b>Bio-activity</b>     | Measured in a cell proliferation assay using PHA-activated human peripheral blood lymphocytes (PBMC). The ED50 for this effect is < 0.2 ng/mL. The specific activity of recombinant mouse IL-7 is > 5 × 10 <sup>6</sup> IU/mg.  |
| <b>Molecular Mass</b>   | The protein has a calculated MW of 15.8 kDa.<br>The protein migrates as 16 kDa under reducing condition (SDS-PAGE analysis).  |

 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

|                       |   |
|-----------------------|---|
| <b>Endotoxin</b>      | < 0.1 EU/μg of the protein by the LAL method.   |
| <b>Purity</b>         | >98% as determined by SDS-PAGE analysis.  |
| <b>Storage</b>        | This product is stable after storage at:<br>-20 centigrade for 12 months in lyophilized state from date of receipt.<br>-20 or -80 centigrade for 1 month under sterile conditions after reconstitution.<br>Avoid repeated freeze/thaw cycles. |
| <b>Storage Buffer</b> | Lyophilized from a 0.2 μm filtered solution of PBS, pH 7.4.   |
| <b>Reconstitution</b> | It is recommended to reconstitute the lyophilized protein in sterile H <sub>2</sub> O to a concentration not less than 200 μg/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.                       |
| <b>Shipping</b>       | The product is shipped with polar packs. Upon receipt, store it immediately at -20 centigrade or lower for long term storage.   |

## GENE INFORMATION

|                        |  |
|------------------------|--|
| <b>Gene Name</b>       | <a href="#">IL7 interleukin 7 [ Mus musculus (house mouse) ]</a>           |
| <b>Official Symbol</b> | <a href="#">IL7</a>  |
| <b>Synonyms</b>        | IL7; interleukin 7; interleukin-7; Il-7; hlb368; A630026I06Rik; MGC129342; |
| <b>Gene ID</b>         | <a href="#">16196</a>  |
| <b>mRNA Refseq</b>     | <a href="#">NM_008371</a>  |
| <b>Protein Refseq</b>  | <a href="#">NP_032397</a>  |

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

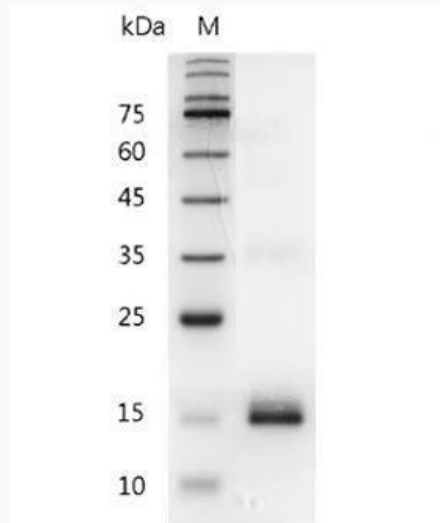
 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

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

UniProt ID

P10168

**SDS-PAGE analysis  
of recombinant  
mouse IL-7.**



 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