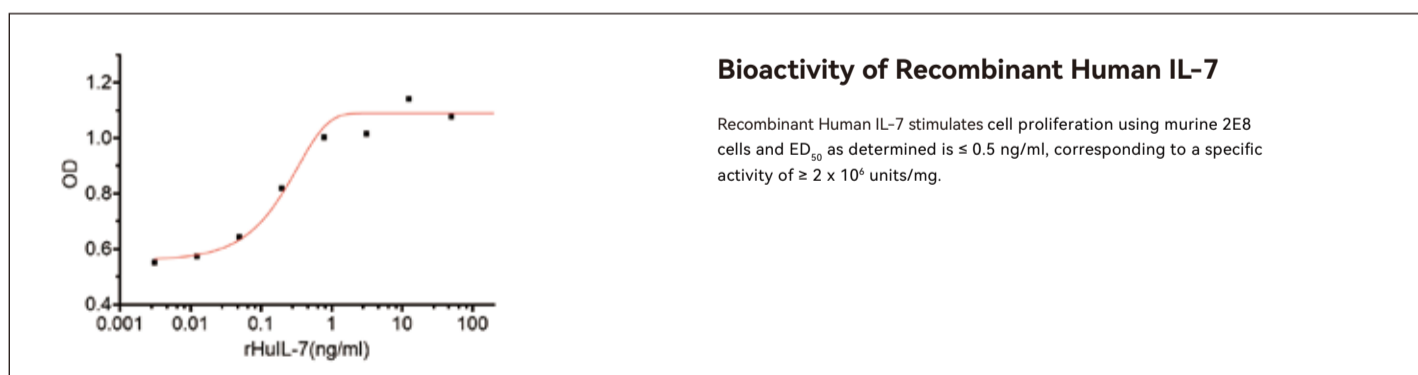
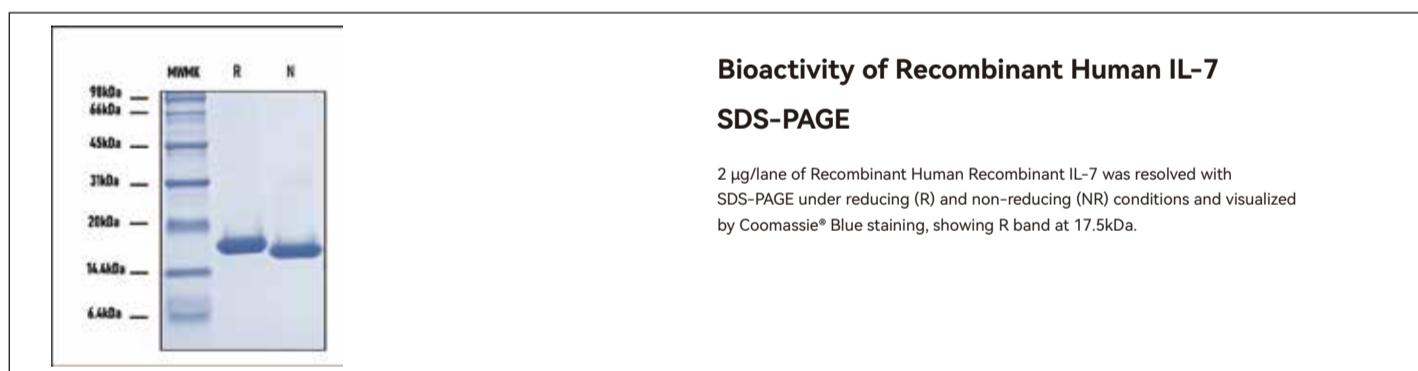
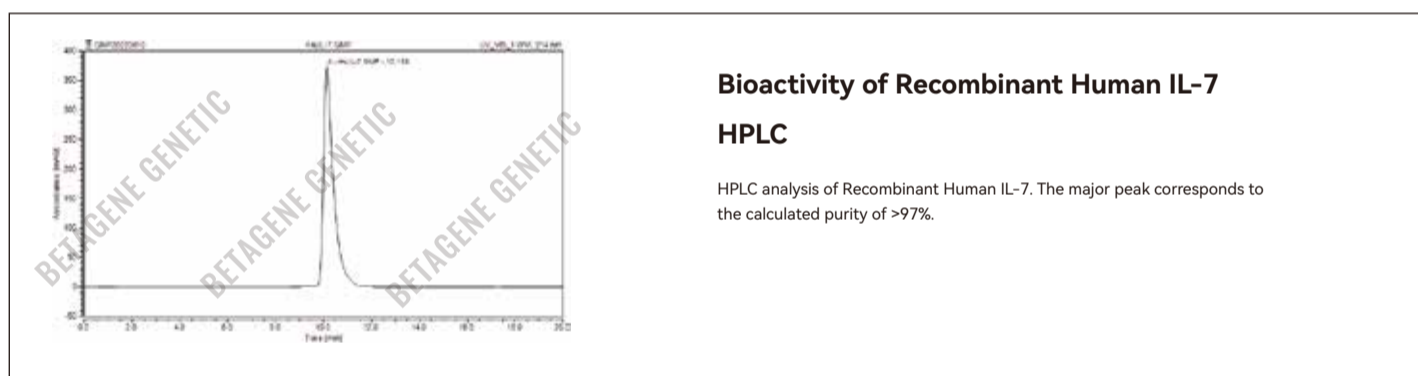




# Recombinant Human IL-7 Tag-Free GMP

<b>Physical Appearance</b>	Sterile Filtered White lyophilized (freeze-dried) powder.
<b>Gene ID</b>	3574
<b>Description</b>	IL-7 is a hematopoietic growth factor that primarily affects early B and T cells. Produced by thymic stromal cells, spleen cells and keratinocytes, IL-7 can also co-stimulate the proliferation of mature T cells in combination with other factors, such as ConA and IL-2. Human and murine IL-7 are cross-species reactive. Recombinant Human IL-7 is a 17.5 kDa protein containing 153 amino acid residues.
<b>Catalog Number</b>	GE06.1/GE06.2
<b>Volumn</b>	50µg/100µg
<b>Source</b>	E. coli
<b>Molecular Weight</b>	Approximately 17.5 kDa, 153 amino acids
<b>AA Sequence</b>	DCDIEGKDGKQYESVLMVSDIQLLDSMKEIGSNCLNNEFNFFKRHICDANKEGMFLFRAARKLRQFLKMNSTGDFDLHLLKVSEGTILLNCTGQVKGRKPAALGEAQPTKSLEENKSLKEQKLNLDLFLKRLLEIKTCWNKILMGTKEH
<b>Purity (HPLC)</b>	> 97%
<b>Purity (SDS-PAGE)</b>	> 97%
<b>Biological Activity</b>	Fully biologically active when compared to standard substance. The ED <sub>50</sub> was determined by the dose-dependent stimulation of the proliferation of murine 2E8 cells is ≤ 0.5 ng/ml, corresponding to a specific activity of ≥ 2 x 10 <sup>6</sup> units/mg.
<b>Host Cell DNA</b>	<0.02 ng/µg of protein tested by DNA Fluorescent Staining method.
<b>Host Cell Protein</b>	<0.5 ng/µg of protein tested by ELISA.
<b>Formulation</b>	Lyophilized from a 0.2µm filtered solution in PBS pH7.4.
<b>Sterility</b>	Negative
<b>Endotoxin</b>	< 0.01EU/µg as determined by LAL gel-clot method.
<b>Mycoplasma</b>	Negative
<b>Reconstitution</b>	Before use this product, please read the direction below carefully. 1. This vial must be briefly centrifuged prior to opening to bring the contents to the bottom. 2. Reconstitute in a sterile aqueous buffer to an appropriate concentration. 3. Stock solutions should be apportioned into working aliquots and stored at ≤ -20 °C. Further dilutions should be made in appropriate buffered solutions.
<b>Stability &amp; Storage</b>	For long term storage, the product should be stored ≤-20°C. <b>Please avoid repeated freeze-thaw cycles after reconstitution.</b> 1. At least 24 months from date of receipt, ≤-20 as supplied; 2. 1 month, 2 to 8 °C under sterile conditions after reconstitution; 3. 3 months, -20 to -70 °C under sterile conditions after reconstitution.
<b>Shipping</b>	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended.

## DATA



## CONTENTS

Product	Cat. No.	Amount	Storage	Shelf life
Recombinant Human IL-7 (GMP-Grade)	GE06.1 GE076.2	50µg 100µg	≤-20°C	24 months

## LIMITED WARRANTY

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