

Datasheet for ABIN7274965

**IL7R Protein (Fc Tag)****4** Images[Go to Product page](#)

## Overview

Quantity:	100 µg
Target:	IL7R
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This IL7R protein is labelled with Fc Tag.

## Product Details

Sequence:	Glu21-Gly236
Purity:	> 95% as determined by Tris-Bis PAGE,> 95% as determined by HPLC
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.
Biological Activity Comment:	Immobilized Human IL-7 at 0.5µg/ml (100µl/Well) on the plate. Dose response curve for Human IL-7R alpha, hFc Tag with the EC50 of 0.21µg/ml determined by ELISA. See testing image for detail.

## Target Details

Target:	IL7R
Alternative Name:	IL-7R alpha ( <a href="#">IL7R Products</a> )
Background:	IL-17R alpha, IL7Ra, CD127, CDW127, ILRA,Interleukin 7 (IL-7) and its receptor (IL-7R, a heterodimer of IL-7Ra and yc) are essential for normal lymphoid development. IL-7 and IL-7R

Target Details

	activate three main pathways: STAT5, PI3K/Akt/mTOR and MEK/Erk, ultimately leading to the promotion of leukemia cell viability, cell cycle progression and growth.
Molecular Weight:	51.6 kDa. Due to glycosylation, the protein migrates to 65-75 kDa based on Tris-Bis PAGE result.
Pathways:	<a href="#">JAK-STAT Signaling</a> , <a href="#">Regulation of Leukocyte Mediated Immunity</a> , <a href="#">Production of Molecular Mediator of Immune Response</a> , <a href="#">Regulation of Cell Size</a>

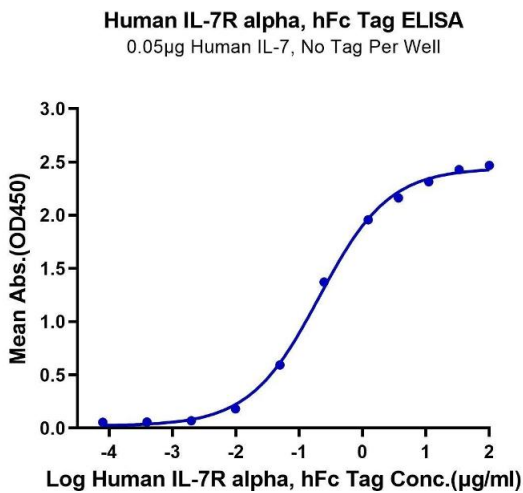
Application Details

Restrictions:	For Research Use only
---------------	-----------------------

Handling

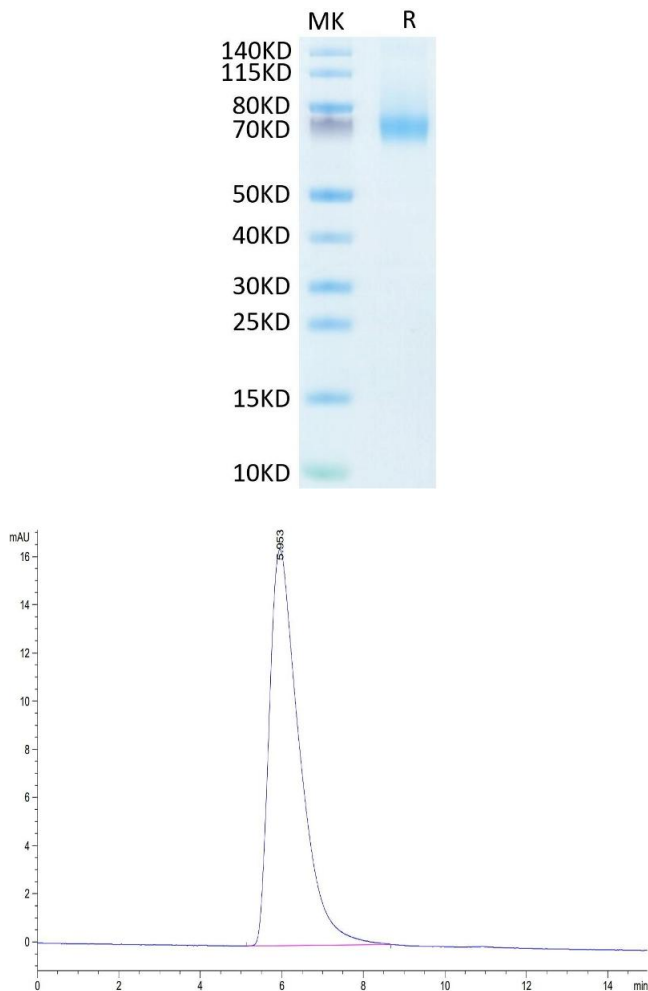
Format:	Lyophilized
Reconstitution:	Centrifuge tubes before opening. Reconstituting to a concentration more than 100 µg/mL is recommended (usually we use 1 mg/mL solution for lyophilization). Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22µm filtered solution in PBS ( pH 7.4). Normally 5 % trehalose is added as protectant before lyophilization.
Storage:	4 °C,-80 °C
Storage Comment:	Reconstituted protein stable at -80°C for 12 months, 4°C for 1 week. Use a manual defrost freezer and avoid repeated freeze-thaw cycles.
Expiry Date:	12 months

Images



ELISA

**Image 1.** Immobilized Human IL-7 at 0.5 µg/mL (100 µL/Well) on the plate. Dose response curve for Human IL-7R alpha, hFc Tag with the EC50 of 0.21 µg/mL determined by ELISA.



SDS-PAGE

**Image 2.** Human IL-7R alpha on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .

Size-exclusion chromatography-High Pressure Liquid Chromatography

**Image 3.** The purity of Human IL-7R alpha is greater than 95 % as determined by SEC-HPLC.

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN7274965.