

# Biotinylated Recombinant Human IL-3RA/CD123 Protein

**Catalog No.: RP00444B**

## Sequence Information

|                   |                |
|-------------------|----------------|
| <b>Species</b>    | <b>Gene ID</b> |
| Human             | 3563           |
| <b>Swiss Prot</b> | <b>Tags</b>    |
| P26951-1          | C-His&Avi      |

### Synonyms

CD123; IL-3R subunit alpha; IL3R;  
IL3RA; IL-3Ra; IL3RAY; IL3RX;  
IL3RY; MGC34174; IL-3 R alpha

## Product Information

|               |                                                                 |
|---------------|-----------------------------------------------------------------|
| <b>Source</b> | <b>Purification</b>                                             |
| HEK293 cells  | ≥ 95 % as determined by SDS-PAGE; ≥ 95 % as determined by HPLC. |

|                      |                    |
|----------------------|--------------------|
| <b>Calculated MW</b> | <b>Observed MW</b> |
| 35.99 kDa            | 55-65 kDa          |

### Endotoxin

< 1 EU/μg of the protein by LAL method.

### Formulation

Lyophilized from 0.22 μm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.

### Reconstitution

Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

## Background

Interleukin-3 receptor subunit alpha, also known as IL-3 receptor subunit alpha, IL-3R-alpha, CD123, and IL3RA, is a single-pass type I membrane protein which belongs to the type I cytokine receptor family and Type 5 subfamily. The specific alpha subunit of the interleukin-3 receptor (IL-3Ralpha, CD123) is strongly expressed in various leukemic blasts and leukemic stem cells and seems to be an excellent target for the therapy of leukemias.

## Basic Information

### Description

Biotinylated Recombinant Human IL-3RA/CD123 Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Thr19-Arg305) of Human IL-3 R alpha/CD123 (Accession #P26951-1) fused with a C-His&Avi tag at the C-terminus.

### Activity

### Shipping

Lyophilized proteins are shipped at ambient temperature. Liquid proteins are shipped at frozen temperature with dry ice. Upon receipt, store it immediately at the temperature recommended below.

### Storage

Store at -20°C

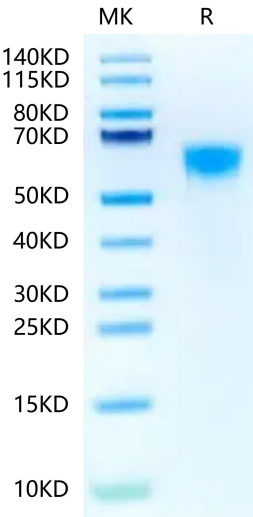
### Operational Notes

For your safety and health, please wear a lab coat and disposable gloves for handling.

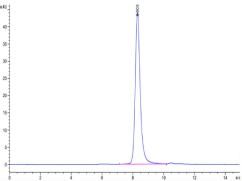
## Contact

|                                                                                     |  |                                                                          |
|-------------------------------------------------------------------------------------|--|--------------------------------------------------------------------------|
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|  |  | <a href="mailto:cn.market@abclonal.com.cn">cn.market@abclonal.com.cn</a> |
|  |  | <a href="http://www.abclonal.com.cn">www.abclonal.com.cn</a>             |

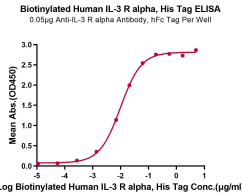
Validation Data



Biotinylated Recombinant Human IL-3RA/CD123 Protein was determined by Tris-Bis PAGE under reducing conditions.



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



Immobilized Anti-IL-3 R alpha Antibody, hFc Tag at 0.5 µg/mL (100 µL/well) on the plate. Dose response curve for Biotinylated Human IL-3 R alpha, His Tag with the EC<sub>50</sub> of 9.9ng/mL determined by ELISA.