

# Recombinant Human IL-15RA/CD215 Protein

Catalog No.: RP00437 Recombinant

# **Sequence Information**

Species Gene ID Swiss Prot Human 3601 013261-1

**Tags** 

C-hFc

**Synonyms** 

IL-15 R alpha; CD215; IL-15RA; MGC104179

# **Product Information**

Source Purification

HEK293 cells  $\geq$  95 % as determined by SDS-PAGE; $\geq$  95 % as

determined by HPLC.

Calculated MW Observed MW

45.1 kDa 70-80 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 stablizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

#### **Contact**

# **Background**

Interleukin-15 receptor alpha (IL-15R alpha) is a high affinity IL-15 binding protein that is crucial for mediating IL-15 functions such as memory CD8 T cell proliferation and NK, NK/T cell, and intestinal intraepithelial lymphocyte development.

#### **Basic Information**

#### Description

Recombinant Human IL-15RA/CD215 Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Ile31-Thr205) of Human IL-15RA/IL-15 R alpha/CD215 (Accession #Q13261-1) fused with a C-hFc tag at the C-terminus

#### **Bio-Activity**

#### Shipping

The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

#### **Storage**

Store at  $-20^{\circ}$ C. Store the lyophilized protein at  $-20^{\circ}$ C to  $-80^{\circ}$ C up to 1 year from the date of receipt.

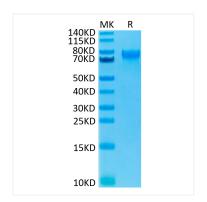
After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.

Avoid repeated freeze/thaw cycles.

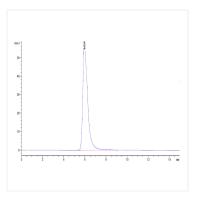
#### **Operational Notes**

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

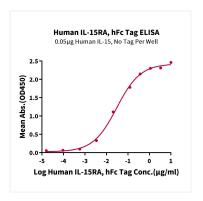
# **Validation Data**



Recombinant Human IL-15RA/CD215 Protein was determined by Tris-Bis PAGE under reducing conditions.



The purity of Human IL-15RA is greater than 95% as determined by SEC-HPLC.



Immobilized Human IL-15, No Tag at 0.5  $\mu$ g/mL (100  $\mu$ L/Well) on the plate. Dose response curve for Human IL-15RA, hFc Tag with the EC<sub>50</sub> of 30.2ng/mL determined by ELISA.