

# Recombinant Human IL-12 R beta 1/CD212 Protein

Catalog No.: RP00438LQ Recombinant

## **Sequence Information**

Species Gene ID Swiss Prot Human 3594 P42701-1

**Tags** C-hFc

**Synonyms** 

 $\label{local_local_local} $$ IL-12R-beta-1; IL-12RB1; IL12R; IL12RB; CD212; IL-12R subunit beta-1; IL-12R-BETA1; MGC34454; IL-12R-\beta-1; IL-12R$ 

subunit β-1; IL-12R-β1

## **Product Information**

**Source** Purification HEK293 cells ≥ 95 % as

determined by SDS-PAGE;≥ 95 % as determined by HPLC.

Calculated MW Observed MW 83.85 kDa 95-115 kDa

**Endotoxin** 

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

#### **Formulation**

Supplied as 0.22  $\mu m$  filtered solution in PBS (pH 7.4).

#### Reconstitution

#### **Contact**

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## **Background**

Human IL12RB1 is an autosomal gene that is essential for mycobacterial disease resistance and T cell differentiation. Lung and T cell IL12RB1 expression is allelebiased, and the extent to which cells express one IL12RB1 allele is unaffected by activation. Furthermore following its expression the IL12RB1 pre-mRNA is processed into either IL12RB1 Isoform 1 (IL12RB1, a positive regulator of IL12 responsiveness) or IL12RB1 Isoform 2 (a protein of heretofore unknown function).

#### **Basic Information**

#### Description

Recombinant Human IL-12 R beta 1/CD212 Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Cys24-Glu540) of Human IL-12 R beta 1/CD212 (Accession #P42701-1) 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.

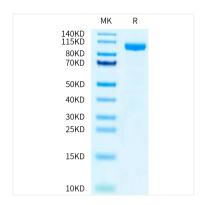
#### **Storage**

Store at -70°C. This product is stable at  $\leq$  -70°C for up to 1 year from the date of receipt. For optimal storage, aliquot into smaller quantities after centrifugation and store at recommended temperature. Avoid repeated freeze-thaw cycles. Avoid repeated freeze/thaw cycles.

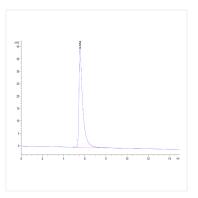
#### **Operational Notes**

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

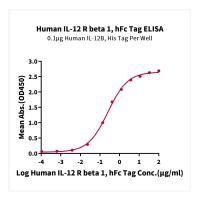
## **Validation Data**



Recombinant Human IL-12 R beta 1/CD212 Protein was determined by Tris-Bis PAGE under reducing conditions.



The purity of Recombinant Human IL-12 R beta 1/CD212 Protein was greater than 95% as determined by SEC-HPLC.



Immobilized Human IL-12B, His Tag at 1  $\mu$ g/mL (100  $\mu$ L/well) on the plate. Dose response curve for Human IL-12 R beta 1, hFc Tag with the EC<sub>s0</sub> of 0.26  $\mu$ g/mL determined by ELISA.