

Recombinant Human IL-12 R beta 1/CD212 Protein

Catalog No.: RP00438LQ

Sequence Information

Species **Gene ID**
Human 3594

Swiss Prot **Tags**
P42701-1 C-hFc

Synonyms

IL-12R-beta-1; IL-12RB1; IL12R;
IL12RB; CD212; IL-12R subunit
beta-1; IL-12R-BETA1; MGC34454;
IL-12R-β-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 μm filtered
solution in PBS (pH 7.4).

Reconstitution

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 allele-biased, 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.

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 -70°C

Operational Notes

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

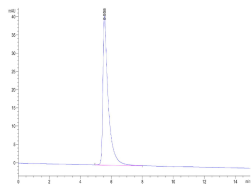
Contact

☎ | 400-999-6126

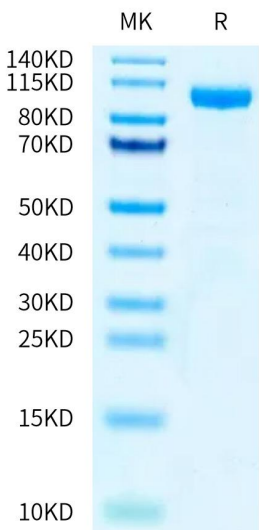
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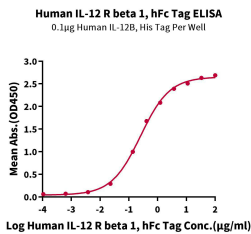
Validation Data



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



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



Immobilized Human IL-12B, His Tag at 1 µg/mL (100 µL/well) on the plate. Dose response curve for Human IL-12 R beta 1, hFc Tag with the EC₅₀ of 0.26 µg/mL determined by ELISA.