

PRODUCT INFORMATION

IL12RB1 **Target**

Synonyms CD212;IL-12R-BETA1;IL12RB;IMD30

Recombinant Human IL12RB1 Protein with C-Description

terminal 6×His tag

Delivery In Stock **Uniprot ID** P42701 **Expression Host HEK293** Tag C-6×His Tag

Molecular

Storage & Shipping

Background

IL12RB1(Cys24-Glu540) 6×His tag Characterization

The protein has a predicted molecular mass of **Molecular Weight**

57.9 kDa after removal of the signal peptide. The apparent molecular mass of IL12RB1-His is approximately 70-100 kDa due to glycosylation. The purity of the protein is greater than 85% as determined by SDS-PAGE and Coomassie blue

Purity

staining.

Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis Formulation & Reconstitution

for specific instructions of reconstitution.

Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store

at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient

temperature.

The protein encoded by this gene is a type I transmembrane protein that belongs to the hemopoietin receptor superfamily. This protein binds to interleukine 12 (IL12) with a low affinity, and is thought to be a part of IL12 receptor complex. This protein forms a disulfide-linked oligomer, which is required for its IL12 binding activity. The coexpression of this and IL12RB2

proteins was shown to lead to the formation of high-affinity IL12 binding sites and reconstitution of IL12 dependent signaling. Mutations in this gene impair the development of interleukin-17producing T lymphocytes and result in increased susceptibility to mycobacterial and Salmonella infections. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Feb

> Email: info@dimabio.com Website: www.dimabio.com

20141

Usage Research use only Conjugate Unconjugated





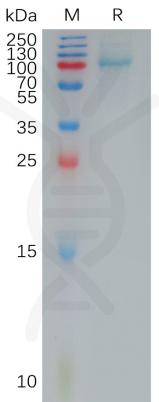


Figure 1. Human IL12RB1 Protein, His Tag on SDS-PAGE under reducing condition.

