

Datasheet for ABIN6964200

IL12RB1 Protein (AA 24-540) (His tag)



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1 Image

Overview

Quantity:	100 µg
Target:	IL12RB1
Protein Characteristics:	AA 24-540
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This IL12RB1 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human IL12RB1 Protein with C-terminal 6xHis tag
Specificity:	IL12RB1 (Cys24-Glu540) 6xHis tag
Characteristics:	Extracellular Domain Protein
Purification:	Purified from cell culture supernatant by affinity chromatography
Purity:	The purity of the protein is greater than 85 % as determined by SDS-PAGE and Coomassie blue staining.

Target Details

Target:	IL12RB1
Alternative Name:	IL12RB1 (IL12RB1 Products)
Background:	The protein encoded by this gene is a type I transmembrane protein that belongs to the

Target Details

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-17-producing T lymphocytes and result in increased susceptibility to mycobacterial and Salmonella infections. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Feb 2014]

Molecular Weight: predicted molecular mass of 57.9 kDa after removal of the signal peptide. The apparent molecular mass of IL12RB1-His is 70-100 kDa due to glycosylation.

UniProt: [P42701](#)

Pathways: [JAK-STAT Signaling](#), [Regulation of Leukocyte Mediated Immunity](#), [Positive Regulation of Immune Effector Process](#), [Activated T Cell Proliferation](#)

Application Details

Restrictions: For Research Use only

Handling

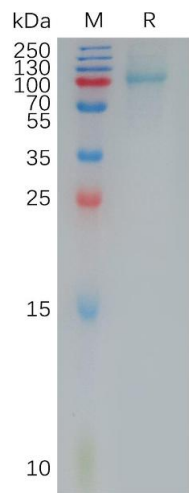
Format: Lyophilized

Buffer: Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose is added as protectants before lyophilization.

Storage: -20 °C,-80 °C

Storage Comment: 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.

Expiry Date: 12 months



SDS-PAGE

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