

Datasheet for ABIN7320408  
**IL12RB2 Protein (His tag)**[Go to Product page](#)

## 1 Image

## Overview

Quantity:	100 µg
Target:	IL12RB2
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This IL12RB2 protein is labelled with His tag.

## Product Details

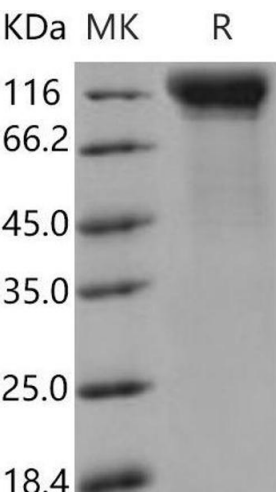
Purpose:	Recombinant Mouse IL12RB2/IL12R-beta 2 Protein (His Tag)(Active)
Sequence:	Met 1-Asn 637
Characteristics:	A DNA sequence encoding the mouse IL12RB2 (NP_032380.1) extracellular domain (Met 1-Asn 637) was fused with a polyhistidine tag at the C-terminus.
Purity:	> 97 % as determined by SDS-PAGE
Endotoxin Level:	< 1.0 EU per µg of the protein as determined by the LAL method.
Biological Activity Comment:	Measured by its ability to bind Mouse IL12A & IL12B Heterodimer Protein in a functional ELISA. Immobilized mouse IL12RB2-His at 10 µg/ml (100 µl/well) can bind Mouse IL12A & IL12B Heterodimer Protein. The EC50 of Mouse IL12A & IL12B Heterodimer Protein is 50.2-117.2 ng/ml.

## Target Details

Target:	IL12RB2
Alternative Name:	IL12RB2/IL12R-beta 2 ( <a href="#">IL12RB2 Products</a> )
Background:	<p>Background: Interleukin-12 receptor subunit beta-2 (IL12RB2), also known as IL-12 receptor subunit beta-2, IL-12R subunit beta-2, IL-12R-beta-2, and IL-12RB2, is a type I transmembrane protein identified as a subunit of the interleukin 12 receptor complex. IL12RB2 belongs to the type I cytokine receptor family. The coexpression of IL12RB2 and IL12RB1 proteins was shown to lead to the formation of high-affinity IL12 binding sites and reconstitution of IL12 dependent signaling. The expression of IL12RB2 is up-regulated by IFN gamma in Th1 cells, and plays a role in Th1 cell differentiation. The up-regulation of IL12RB2 is found to be associated with a number of infectious diseases, such as Crohn's disease and leprosy, which is thought to contribute to the inflammatory response and host defense. This subunit is the signaling component coupling to the JAK2/STAT4 pathway. IL12RB2 promotes the proliferation of T-cells as well as NK cells. IL12RB2 induces the promotion of T-cells towards the Th1 phenotype by strongly enhancing IFN-gamma production.</p> <p>Synonym: IL12RB2, IL-12 receptor beta 2, IL-12 receptor subunit beta-2, IL-12R subunit beta-2, IL-12RB2, IL-12R-beta-2, interleukin-12 receptor beta-2 chain, interleukin-12 receptor subunit beta-2</p>
Molecular Weight:	70 kDa
NCBI Accession:	<a href="#">NP_032380</a>
Pathways:	<a href="#">JAK-STAT Signaling</a>

## Application Details

Restrictions:	For Research Use only
Handling	
Format:	Lyophilized
Reconstitution:	Please refer to the printed manual for detailed information.
Buffer:	Lyophilized from sterile PBS, pH 7.4
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	<p>Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C.</p> <p>Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at &lt; -20°C for 3 months.</p>



Western Blotting

Image 1.