

Datasheet for ABIN7320555  
**IL12RB2 Protein (Fc Tag)**[Go to Product page](#)

## 1 Image

## Overview

Quantity:	50 µg
Target:	IL12RB2
Origin:	Mouse
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This IL12RB2 protein is labelled with Fc Tag.

## Product Details

Purpose:	Recombinant Mouse IL12RB2/IL12R-beta 2 Protein (Fc Tag)
Sequence:	Met1-Asn637
Characteristics:	Recombinant Mouse Interleukin-12 receptor subunit beta-2 is produced by our Mammalian expression system and the target gene encoding Met1-Asn637 is expressed with a Fc tag at the C-terminus.
Purity:	> 95 % as determined by SDS-PAGE
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

## Target Details

Target:	IL12RB2
Alternative Name:	IL12RB2/IL12R-beta 2 ( <a href="#">IL12RB2 Products</a> )
Background:	Background: The IL12 receptor complex, formed by IL12RB1 and IL12RB2, mediates the type I immune responses of various types of lymphocytes. Its ligand, IL12, is a heterodimeric cytokine

## Target Details

composed of IL-12p35 and IL-12p40 subunits that are linked via disulfide bonds. Ligation of IL-12 to its receptor involves the binding of IL-12p35 to IL12RB1 and IL-12p40 to IL12RB2. This will result in the activation of tyrosine kinase 2 (TYK2), which is associated with the IL12RB1 chain and Janus kinase 2 (JAK2), which is associated with the IL12RB2 chain. Activated TYK2 and JAK2 direct the phosphorylation of STAT4. IL12RB1 is present on all lymphocytes, while the expression of IL12RB2 is tightly regulated. It has shown that the expression of IL12RB2 is limited to Th2 cells. IL12RB2 subunit plays an important role in Th1 cell differentiation, since its absence leads to an abortive Th1 differentiation that has dysfunctional production of Th1 effector molecules.

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

Molecular Weight:	98.4 kDa
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UniProt:	<a href="#">P97378</a>
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Pathways:	<a href="#">JAK-STAT Signaling</a>
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## Application Details

Restrictions:	For Research Use only
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## Handling

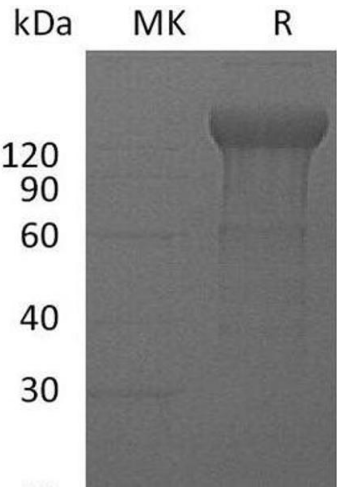
Format:	Lyophilized
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Reconstitution:	Please refer to the printed manual for detailed information.
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Buffer:	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.
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Storage:	4 °C, -20 °C, -80 °C
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Storage Comment:	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
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**Western Blotting**

**Image 1.**