

Recombinant Human IL12RB2 protein, His-tagged

Cat. No. IL12RB2-1464H Lot. No. (See product label)

SPECIFICATION

Product Overview Recombinant Human IL12RB2 aa. (Trp145~Ala275 ((Accession # Q99665)) fused with N-terminal His tag was produced in E. coli cells.

Species Human

Source E.coli

ProteinLength Trp145~Ala275

Description The protein encoded by this gene is a type I transmembrane protein identified as a subunit of the interleukin 12 receptor complex. The coexpression of this 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 this gene is up-regulated by interferon gamma in Th1 cells, and plays a role in Th1 cell differentiation. The up-regulation of this gene 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. Several transcript variants encoding different isoforms and non-protein coding transcripts have been found for this gene.

Form Freeze-dried powder

Molecular Mass Predicted Molecular Mass: 16.8kDa.

Endotoxin <1.0EU per 1g (determined by the LAL method).

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Purity	>95%
Characteristic	The isoelectric point is 9.1.
Applications	SDS-PAGE; WB; ELISA; IP.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage buffer	Supplied as lyophilized form in PBS, pH7.4, containing 5% trehalose, 0.01% sarcosyl.
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.

GENE INFORMATION

Gene Name	IL12RB2 interleukin 12 receptor subunit beta 2 [Homo sapiens (human)]
Official Symbol	IL12RB2
Synonyms	IL-12 receptor subunit beta-2; IL-12R subunit beta-2; interleukin 12 receptor, beta 2; interleukin-12 receptor beta-2 chain; interleukin-12 receptor subunit beta-2
Gene ID	3595
mRNA Refseq	NM_001258214.1

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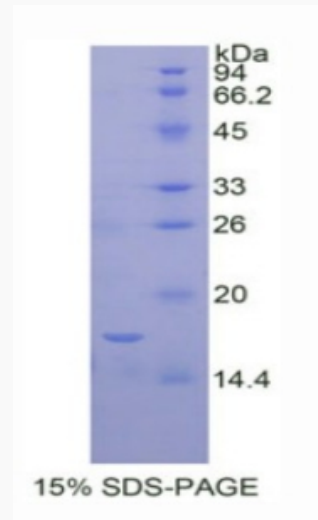
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Protein Refseq NP_001245143.1

UniProt ID Q99665

SDS-PAGE



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