

Recombinant Human IL12RB2

Cat. No. IL12RB2-29640TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment of Human IL12RB2 with an N-terminal proprietary tag; Predicted MW 37.73 kDa
Species	Human
Source	Wheat Germ
ProteinLength	110 amino acids
Description	<p>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 Crohns disease and leprosy, which is thought to contribute to the inflammatory response and host defense.</p>
Molecular Weight	37.730kDa
Tissue specificity	Isoform 2 is expressed at similar levels in both naive and activated T-cells.
Form	Liquid
Purity	Proprietary Purification

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Storage buffer	pH: 8.00 Constituents: 0.3% Glutathione, 0.79% Tris HCl
Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequences of amino acids	CINSDEIQICGAEIFVGVAPEQPQNLSCIQKGEQGTVACT WERGRDTHLYTEYTLQL SGPKNLTWQKQCKDIYCDYLDLFG INLTPEPESNFTAKVTAVNSLGSSSSLPS
Sequence Similarities	Belongs to the type I cytokine receptor family. Type 2 subfamily. Contains 5 fibronectin type-III domains.

GENE INFORMATION

Gene Name	IL12RB2 interleukin 12 receptor, beta 2 [Homo sapiens]
Official Symbol	IL12RB2
Synonyms	IL12RB2; interleukin 12 receptor, beta 2; interleukin-12 receptor subunit beta-2;
Gene ID	3595
mRNA Refseq	NM_001559
Protein Refseq	NP_001550
MIM	601642
Uniprot ID	Q99665
Chromosome Location	1p31.3-p31.2

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Pathway

Cytokine-cytokine receptor interaction, organism-specific biosystem; Cytokine-cytokine receptor interaction, conserved biosystem; IL12-mediated signaling events, organism-specific biosystem; IL27-mediated signaling events, organism-specific biosystem; Jak-STAT signaling pathway, organism-specific biosystem;

Function

cytokine receptor activity; protein kinase binding; receptor activity;

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