

Recombinant Human IL12RB2 protein, His-tagged

Cat. No. IL12RB2-3884H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human IL12RB2(24-622aa) fused with His tag was expressed in Yeast.
Species	Human
Source	Yeast
ProteinLength	24-622aa
Description	This protein 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.
Form	Tris-based buffer,50% glycerol
Molecular Mass	69.7kD
AA Sequence	KIDACKRGDVTVKPSHVILLGSTVNITCSLKPRQGCFHYSRRNKLILYKFDRRINFHH GHSLNSQVTGLPLGTTL FVCKLACINSDEIQICGAEIFVGVAPEQPQNLSCIQKGEQG TVACTWERGRDTHLYTEYTLQLSGPKNLTWQKQC KDIYCDYLDGFINLTPESPESN FTAKVTAVNSLGSSSLPSTFTFLDIVRPLPPWDIRIKFQKASVSRCTLYWRD EGLVL

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LNRLRYRPSNSRLWNMVNVTAKGRHDLLDLKPFTEYEFQISSKLHLYKGSWSDWS
 ESLRAQTPEEEPTG MLDVWYMKRHIDYSRQQISLFWKNLSVSEARGKILHYQVTLQ
 ELTGGKAMTQNITGHTSWTTVIPRTGNWAVAVS AANSKGSSLPTRINIMNLCEAGLL
 APRQVSANSEGMDNILVTWQPPRKDPSAVQEYVVEWRELHPGGDTQVPLNW LRS
 RPYNVSALISENIKSYICYEIRVYALSGDQGGCSSILGNSKHKAPLSGPHINAITEEKG
 SILISWNSIPVQE QMGCLLHYRIYWKERDSNSQPQLCEIPYRVSQNSHPINSLQPRV
 TYVLWMTALTAAGESSHGNEREFCLQGAN

Purity >90% (SDS-PAGE)

Notes Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.

Storage Store at -20 centigrade, for extended storage, conserve at -20 centigrade or -80 centigrade.

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; IL-12RB2; IL-12R-beta-2; IL-12 receptor beta 2; IL-12R subunit beta-2; IL-12 receptor subunit beta-2; interleukin-12 receptor beta-2 chain; RP11-102M16.1;

Gene ID 3595

mRNA Refseq NM_001258214

Protein Refseq NP_001245143

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MIM	601642
UniProt ID	Q99665
Chromosome Location	1p31.3-p31.2
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; Jak-STAT signaling pathway, conserved biosystem;
Function	cytokine receptor activity; protein kinase binding; receptor activity;

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