

Recombinant Human IL12RB2 Protein, His-tagged

Cat. No. IL12RB2-3230H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human IL12RB2 protein with a His tag was expressed in HEK293.
Species	Human
Source	HEK293
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.
Molecular Mass	68.5 kDa
AA Sequence	KIDACKRGDVTVKPSHVILLGSTVNITCSLKPRQGCFHYSRRNKLILYKFDRRINFHH GHSLSNSQVTGLPLGTTLFVCKLACINSDEIQICGAEIFVGVAPEQPQNLSQIQKGEQG TVACTWGERGRDTHLYTEYTLQLSGPKNLTWQKQCKDIYCDYLDGFINLTPESPESNF TAKVTAVNSLGSSSSLPSTFTFLDIVRPLPPWDIRIKFQKASVSRCTLYWRDEGLVLL NRLRYRPSNSRLWNMVNVTAKGRHDLDDLKPFTEYEFQISSKLHLYKGSWSDWS ESLRAQTPEEEPTGMLDVWYMKRHIDYSRQQISLFWKNLSVSEARGKILHYQVTLQ

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ELTGGKAMTQNITGHTSWTTVIPRTGNWAVAVSAANSKGSSLPTRINIMNLCEAGLL
APRQVSANSEGMDNILVTWQPPRKDPSAVQEYVVEWRELHPGGDTQVPLNWLRS
RPYNVSALISENIKSYICYEIRVYALSGDQGGCSSILGNSKHKAPLSGPHINAITEEKG
SILISWNSIPVQEQMGCLLHYRIYWKERDSNSQPQLCEIPYRVSQNSHPINSLQPRVT
YVLWMTALTAAGESSHGNEREFCLQGKANHHHHHH

Purity > 80% by SDS-PAGE

Storage Store it under sterile conditions at -20 to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

Concentration 0.85 mg/mL

Storage Buffer Supplied as a 0.2 µm filtered solution in PBS, pH7.4.

GENE INFORMATION

Gene Name IL12RB2 interleukin 12 receptor subunit beta 2 [Homo sapiens (human)]

Official Symbol IL12RB2

Synonyms IL12RB2; interleukin 12 receptor subunit beta 2; interleukin-12 receptor subunit beta-2; IL-12 receptor subunit beta-2; IL-12R subunit beta-2; interleukin 12 receptor, beta 2; interleukin-12 receptor beta-2 chain

Gene ID 3595

mRNA Refseq NM_001559

Protein Refseq NP_001550

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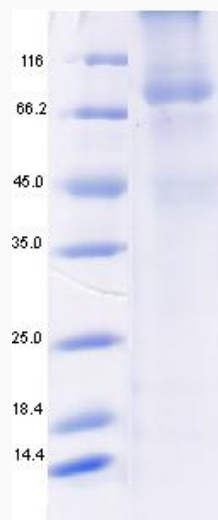
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MIM 601642

UniProt ID Q99665

SDS-Page



Reducing 12% SDS-PAGE analysis profile of purified IL12RB2 (CBB stained)

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