

Active Recombinant Human IL23A&Mouse IL12B protein, His-Avi-tagged

Cat. No. IL23A& IL12B-1342H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Active Recombinant Human IL23A&Mouse IL12B protein(Q9NPF7&P43432-1)(Arg20-Pro189&Met23-Ser335) is expressed from HEK293 with His tag and Avi tag at the C-Terminus of IL-23 alpha.
Species	Human
Source	HEK293
ProteinLength	20-189 aa&23-335 aa
Form	Lyophilized from 0.22 µm filtered solution in PBS (pH 7.4).
Bio-activity	Immobilized Human IL-23 alpha&Mouse IL-12 beta, His Tag at 5µg/ml (100µl/Well) on the plate. Dose response curve for Human IL-23R, mFc Tag with the EC50 of 0.15µg/ml determined by ELISA.
Molecular Mass	The protein has a predicted MW of 21.7 kDa (Human IL-23 alpha) & 35.8 kDa (Mouse IL-12 beta). Due to glycosylation, the protein migrates to 22 kDa (Human IL-23 alpha) & 45-60 kDa (Mouse IL-12 beta) based on Bis-Tris PAGE result.
Endotoxin	Less than 1 EU per µg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE > 90% as determined by HPLC

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Storage -20 to -80°C for 12 months as supplied from date of receipt. -80°C for 3 months after reconstitution. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Reconstitution Dissolve the lyophilized protein in distilled water.

GENE INFORMATION

Gene Name IL23A interleukin 23, alpha subunit p19 [Homo sapiens]

Official Symbol IL23A

Synonyms IL23A; interleukin 23, alpha subunit p19; interleukin-23 subunit alpha; IL 23; IL 23A; IL23P19; interleukin six; G CSF related factor; P19; SGRF; IL-23-A; IL-23p19; IL-23 subunit alpha; interleukin 23 p19 subunit; interleukin-23 subunit p19; JKA3 induced upon T-cell activation; interleukin-six, G-CSF related factor; IL-23; IL-23A; MGC79388;

Gene ID 51561

mRNA Refseq NM_016584

Protein Refseq NP_057668

MIM 605580

UniProt ID Q9NPF7

Gene Name 2 IL12b interleukin 12b [Mus musculus]

Official Symbol 2 IL12B

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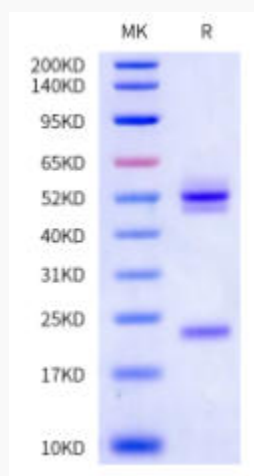
Synonyms 2 IL12B; interleukin 12b; interleukin-12 subunit beta; CLMF p40; IL-12 p40; IL-12 subunit p40; IL-23 subunit p40; cytotoxic lymphocyte maturation factor 40 kDa subunit; p40; Il-12b; Il12p40; Il-12p40;

Gene ID 2 [16160](#)

mRNA Refseq 2 [NM_008352](#)

Protein Refseq 2 [NP_032378](#)

Bis-Tris PAGE



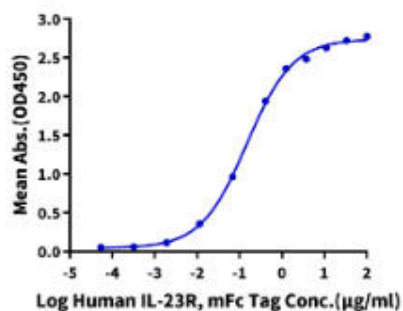
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ELISA Data

Human IL-23 alpha&Mouse IL-12 beta, His Tag ELISA
0.5µg Human IL-23 alpha&Mouse IL-12 beta, His Tag Per Well



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