

Recombinant Human IL12B & IL23A protein(Arg20-Pro189&Ile23-Ser328), His-Avi-tagged, Biotinylated

Cat. No. IL12B & IL23A-1261H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Biotinylated Recombinant Human IL12B & IL23A protein(Arg20-Pro189&Ile23-Ser328)(Q9NPF7&P29460) is expressed from HEK293 with His tag and Avi tag at the C-Terminus.
Species	Human
Source	HEK293
ProteinLength	Arg20-Pro189&Ile23-Ser328
Form	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Bio-activity	Immobilized Biotinylated Human IL-23 alpha&IL-12 beta, His Tag at 0.5µg/ml (100µl/Well) on streptavidin (5µg/ml) precoated plate. Dose response curve for Anti-IL-23 Antibody, hFc Tag with the EC50 of 3.6ng/ml determined by ELISA.
Molecular Mass	The protein has a predicted MW of 21.7 (IL-23 alpha)&34.7 (IL-12 beta) kDa. Due to glycosylation,the protein migrates to 24 kDa (IL-23 alpha) and 40-50 kDa (IL-12 beta) kDa based on Tris-Bis PAGE result.
Endotoxin	Less than 1EU per µg by the LAL method.
Purity	> 95% as determined by Tris-Bis PAGE

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> 95% as determined by HPLC

Storage

-20 to -80°C for 12 months as supplied from date of receipt.
 -80°C for 3-6 months after reconstitution.
 2-8°C for 2-7 days after reconstitution.
 Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Reconstitution

Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water.

Conjugation

Biotin

GENE INFORMATION

Gene Name

IL12B interleukin 12B [Homo sapiens (human)]

Official Symbol

IL12B & IL23A

Synonyms

CLMF; NKSF; CLMF2; IMD28; IMD29; NKSF2; IL-12B; IL23A

Gene ID

3593

mRNA Refseq

NM_002187

Protein Refseq

NP_002178

MIM

161561

UniProt ID

P29460

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SDS-PAGE

ELISA Data

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