

Recombinant Human IL12B & IL23A Protein, His-tagged

Cat. No. IL12B & IL23A-1260H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human IL23 complex composed of IL12B (NP_002178.2)(Met1-Ser328) and the mature form of human IL23A (NP_057668.1) (Arg20-Pro189) linked by a polypeptide linker was fused with a polyhistidine tag at the C-terminus.
Species	Human
Source	HEK293
ProteinLength	1-328;20-189 a.a.
Predicted N Terminal	Ile 23
Form	Lyophilized from sterile PBS, pH 7.4, 5%~8% trehalose and mannitol.
Molecular Mass	The recombinant human IL23(IL23A&IL12B) consists 502 amino acids and predicts a molecular mass of 55.8 kDa.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Purity	>90 % as determined by SDS-PAGE.
Stability	Samples are stable for up to twelve months from date of receipt at -70°C.
Storage	Store it under sterile conditions at -20°C~-70°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

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Reconstitution

It is recommended that sterile water be added to the vial to prepare a stock solution of 0.25 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

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

Gene ID 51561

mRNA Refseq NM_016584

Protein Refseq NP_057668

MIM 605580

UniProt ID Q9NPF7

Chromosome Location 12q13.13

Pathway

ATF-2 transcription factor network, organism-specific biosystem; Cytokine-cytokine receptor interaction, organism-specific biosystem; Cytokine-cytokine receptor interaction, conserved biosystem; IL23-mediated signaling events, organism-specific biosystem;

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Function

cytokine activity; contributes_to interleukin-23 receptor binding;

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