

Active Recombinant Human IL-23 Protein

Cat. No. IL23A-05H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human IL-23 p40 (Ile23-Ser328) and Human IL-23 p19 (Arg20-Pro189) without tag was expressed in Spodoptera frugiperda, Sf 21.
Species	Human
Source	Sf21 Cells
ProteinLength	23-328;20-189 a.a.
Bio-activity	Measured by its ability to induce IL-17 secretion by mouse splenocytes. The ED50 for this effect is 0.05-0.3 ng/mL.
Molecular Mass	Predicted Molecular Mass: 55.0 kDa (IL-23 single chain); 36.5 kDa (p40) & 18.5 kDa (p19) SDS-PAGE: 65 kDa, 43-45 kDa and 20 kDa, reducing conditions
N-terminal Sequence Analysis	Ile23 (IL-23 single chain & p40) & Ala21 (p19)
Endotoxin	<1.0 EU/μg of the protein by the LAL method.
Purity	>95%, by SDS-PAGE visualized with Silver Staining and quantitative densitometry by Coomassie Blue Staining.
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

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12 months from date of receipt, -20 to -70 centigrade as supplied.
 1 month, 2 to 8 centigrade under sterile conditions after reconstitution.
 3 months, -20 to -70 centigrade under sterile conditions after reconstitution.

Storage Buffer

Lyophilized from a 0.2 µm filtered solution in MES, NaCl and EDTA with BSA as a carrier protein.

Reconstitution

Reconstitute at 10 µg/mL in sterile PBS containing at least 0.1% human or bovine serum albumin.

Shipping

The product is shipped at ambient temperature.

GENE INFORMATION

Gene Name

IL23A interleukin 23 subunit alpha [Homo sapiens (human)]

Official Symbol

IL23A

Synonyms

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

Gene ID

51561

mRNA Refseq

NM_016584

Protein Refseq

NP_057668

MIM

605580

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UniProt ID

Q9NPF7

Bioactivity

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