

## Active Recombinant Human IL23A Protein, Animal Free

Cat. No. IL23A-32H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human IL23A Protein without tag was expressed in Human cells. Animal Free and Xeno Free
<b>Species</b>	Human
<b>Source</b>	Human Cells
<b>Description</b>	IL-23 is a heterodimeric cytokine composed of two subunits: a unique p19 subunit, and a p40 subunit that is shared with IL-12. IL-23 is secreted by activated dendritic cells and macrophages. IL-23 binds to a heterodimeric receptor complex composed of IL12RB1 and IL23R, activates the Jak-Stat signaling cascade, stimulates memory rather than naive T cells and promotes production of proinflammatory cytokines, such as IFN $\gamma$ and IL-17. IL-23 induces autoimmune inflammation and thus may be responsible for autoimmune inflammatory diseases and may be important for tumorigenesis.
<b>Bio-activity</b>	The activity was measured by its ability to induce the IL-17 expression in murine splenocytes.
<b>Molecular Mass</b>	55 kDa
<b>Endotoxin</b>	<0.5 EU/ $\mu$ g
<b>Purity</b>	High Purity, >95% by SDS-PAGE

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**Stability** Use a manual defrost freezer and avoid repeated freeze-thaw cycles. In general: 12 months from date of receipt, -20 to -80 centigrade as supplied. 1 month, 2 to 8 centigrade under sterile conditions after reconstitution. 3 months, -20 to -80 centigrade under sterile conditions after reconstitution.

**Storage Buffer** Lyophilized from a 0.2 µm filtered solution in PBS without carrier protein

**Reconstitution** Briefly centrifuge the vial before opening. It is recommended to reconstitute the protein in sterile PBS containing 0.1% endotoxin-free recombinant human serum albumin.

## 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

**UniProt ID** Q9H2A5

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