

Active Recombinant Human IL23A Protein, Animal Free

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

SPECIFICATION

Product Overview	Recombinant Human IL23A Protein without tag was expressed in Human cells. Animal Free and Xeno Free
Species	Human
Source	Human Cells
Description	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 γ and IL-17. IL-23 induces autoimmune inflammation and thus may be responsible for autoimmune inflammatory diseases and may be important for tumorigenesis.
Bio-activity	The activity was measured by its ability to induce the IL-17 expression in murine splenocytes.
Molecular Mass	55 kDa
Endotoxin	<0.5 EU/ μ g
Purity	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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