

Active Recombinant Human IL23A, MlgG2a Fc-tagged

Cat. No. IL23A-002H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	The human IL-23 complex composed of the IL23a subunit(NP_057668.1) (Met1-Pro189) and the IL12b subunit(NP_002178.2)(Ile23-Ser328) is fused through a polypeptide linker to the Fc region of mouse IgG2a was expressed in CHO cell.
Species	Human
Source	CHO
ProteinLength	1-189;23-328 a.a.
Description	This gene encodes a subunit of the heterodimeric cytokine interleukin 23 (IL23). IL23 is composed of this protein and the p40 subunit of interleukin 12 (IL12B). The receptor of IL23 is formed by the beta 1 subunit of IL12(IL12RB1) and an IL23 specific subunit, IL23R. Both IL23 and IL12 can activate the transcription activator STAT4, and stimulate the production of interferon-gamma (IFNG). In contrast to IL12, which acts mainly on naive CD4(+) T cells, IL23 preferentially acts on memory CD4(+) T cells
Form	Lyophilized from 0.2µm-filtered solution in PBS.
Bio-activity	Measured by its binding ability in a functional ELISA.
Molecular Mass	81KDa (monomer)
AA Sequence	The human IL-23 complex composed of the IL23a subunit(NP_057668.1) (Met1-Pro189) and the IL12b subunit(NP_002178.2)(Ile23-Ser328) is fused through a polypeptid

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

e linker to the Fc region of mouse IgG2a.

Endotoxin <0.06 eu/μg="" as="" determined="" by="" lal="">

Purity >98%, by SDS-PAGE under reducing conditions

Stability Stable for at least 1 year after receipt when stored at -20°C. Working aliquots are stable for up to 3 months when stored at -20°C.

Reconstitution Reconstitute at 100μg/ml in sterile PBS.

Warning Avoid freeze/thaw cycles.

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 upon T-cell activation; interleukin-six, G-CSF related factor; IL-23; IL-23A; MGC79388;

Gene ID [51561](#)

mRNA Refseq [NM_016584](#)

Protein Refseq [NP_057668](#)

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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; Jak-STAT signaling pathway, organism-specific biosystem; Jak-STAT signaling pathway, conserved biosystem; Pertussis, organism-specific biosystem;
Function	cytokine activity; contributes_to interleukin-23 receptor binding;

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