

## Active Recombinant Human IL23A, HlgG1 Fc-tagged

**Cat. No.** IL23A-003H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |   |
|-------------------------|---|
| <b>Product Overview</b> | 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 human IgG1 was expressed in CHO cell.   |
| <b>Species</b>          | Human   |
| <b>Source</b>           | CHO   |
| <b>ProteinLength</b>    | 1-189;23-328 a.a.   |
| <b>Description</b>      | 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 |
| <b>Form</b>             | Lyophilized from 0.2µm-filtered solution in PBS.  |
| <b>Bio-activity</b>     | Measured by its binding ability in a functional ELISA.  |
| <b>Molecular Mass</b>   | 81KDa (monomer)   |
| <b>AA Sequence</b>      | 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  |

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e linker to the Fc region of human IgG1.

**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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|                            |   |
|----------------------------|---|
| <b>MIM</b>                 | 605580  |
| <b>UniProt ID</b>          | Q9NPF7  |
| <b>Chromosome Location</b> | 12q13.13  |
| <b>Pathway</b>             | 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; |
| <b>Function</b>            | cytokine activity; contributes_to interleukin-23 receptor binding;  |

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