Active Recombinant Human Il23A, HIgG1 Fc-tagged, mutant

Cat. No. Il23A-001H **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 mutant human IgG1was 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 proteinand 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(+) Tcells, 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	Met1-Pro189 .

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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
MIM	605580

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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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