

Recombinant Human IL23A, FLAG-tagged

Cat. No. IL23A-29781TH Lot. No. (See product label)

SPECIFICATION

Product Overview Recombinant full length Human IL 23 p40 peptide fused at the C terminus to an 18 amino acid linker peptide and to IL23 P19 and fused at the N terminus to a DDDDK tag; Mwt: 75 kDa by SDS PAGE.

Species Human

Source HEK293

ProteinLength 170 amino acids

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.

Conjugation FLAG

Molecular Weight 75.000kDa inclusive of tags

Tissue specificity Secreted by activated dendritic and phagocytic cells and keratinocytes. Also expressed by dermal Langerhans cells (at protein level).

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Biological activity	Induction of IL17 secretion by Mouse splenocytes.
Form	Liquid
Purity	>90% by SDS-PAGE
Storage buffer	Constituent:99% PBS
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Sequence Similarities	Belongs to the IL-6 superfamily.

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;
Gene ID	51561
mRNA Refseq	NM_016584
Protein Refseq	NP_057668
MIM	605580
Uniprot ID	Q9NPF7

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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;
Function	cytokine activity; contributes_to interleukin-23 receptor binding;

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