

Active Recombinant Human Interleukin 23, Alpha Subunit P19

Cat. No. L23A-269H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human IL23A is expressed in <i>Human 293 cells</i> as a heterodimeric glycoprotein composed of two disulfide-linked subunits (p40 cysteine linked to p19).
Species	Human
Source	HEK293
Description	Production in Human 293 cells offers authentic glycosylation. Cytokines produced in Sf9 or Sf21 cells have posttranslational modifications which are not humanlike. 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.
Endotoxin	Endotoxin-free.
Purity	>95%. The protein was resolved by SDS polyacrylamide gel electrophoresis and the gel was stained with Coomassie blue.
Activity	The specific activity was determined by the dose-dependent secretion of IL-17 from mouse splenocytes activated with 10ng/mL PMA.

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Solubility	It is recommended to reconstitute the lyophilized Bone Morphogenetic Protein-6 in sterile 20mM AcOH (acetic Acid) not less than 100g/ml, which can then be further diluted to other aqueous solutions.
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Storage	-20°C.
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GENE INFORMATION

Gene Name	IL23A interleukin 23, alpha subunit p19 [Homo sapiens]
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Synonyms	P19; SGRF; IL-23; IL-23A; IL23P19; MGC79388; IL23A ;interleukin-23 subunit alpha ; IL-23-A ; IL-23p19 ; IL-23 subunit alpha ; interleukin 23 p19 subunit ; interleukin-23 subunit p19 ; JKA3 induced upon T-cell activation
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Gene ID	51561
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mRNA Refseq	NM_016584
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Protein Refseq	NP_057668
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MIM	605580
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UniProt ID	Q9NPF7
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Chromosome Location	12q13.3
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Pathway	Cytokine-cytokine receptor interaction; Jak-STAT signaling pathway
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Function	cytokine activity; protein binding
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