

Recombinant Active Human IL23A Protein, His-tagged(N-ter)

Cat. No. IL23A-179H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Active Human IL23A Protein with His tag (N-ter) was expressed in E. coli.
Species	Human
Source	E.coli
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. [provided by RefSeq, Jul 2008]
Form	Powder
Bio-activity	Measured by its ability to induce IL-17 secretion in mouse splenocytes. The ED50 for this effect is < 0.5 ng/mL
AA Sequence	RAVPGGSSPAWTQCQQLSQKLCTLAWSAHLVGHMDLREEGDEETTNDVPHIQCG DGCDPQGLRDNSQFCLQRIHQGLIFYEKLLGSDIFTGEPSSLPDSPVGQLHASLLGL SPLLQPEGHHWETQQIPSLSPSQPWQRLLLRFKILRSLQAFVAVAARVFAHGAATLS P

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Endotoxin	Endotoxin level is less than 0.1 EU/μg of the protein, as determined by the LAL test.
Purity	> 95% (by SDS-PAGE)
Applications	SDS-PAGE
Notes	For laboratory research only, not for drug, diagnostic or other use.
Storage	Lyophilized protein should be stored at -20°C. After reconstitution, aliquot and store at -20°C or -80°C for up to one month. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening.
Storage Buffer	PBS (pH 8.0)
Reconstitution	It is recommended to reconstitute the lyophilized protein in sterile water to a concentration not less than 100 μg/mL and incubate the stock solution for at least 20 min at room temperature to make sure the protein is dissolved completely.

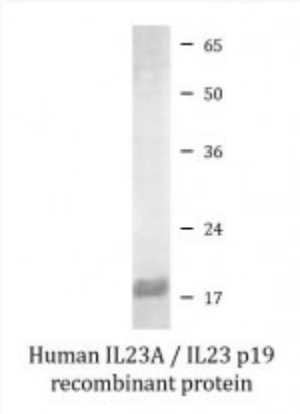
GENE INFORMATION

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;

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Gene ID	51561
mRNA Refseq	NM_016584
Protein Refseq	NP_057668
MIM	605580
UniProt ID	Q9NPF7
SDS-PAGE	 Human IL23A / IL23 p19 recombinant protein