

Active Recombinant Human IL23A Protein

Cat. No. IL23A-966H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human IL23A was expressed in Hi-5 insect cells.
Species	Human
Source	Hi-5 Insect Cells
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.
Form	Lyophilized from a 0.2 M filtered solution of 20mM phosphate buffer, 100mM NaCl, pH 7.2
Bio-activity	Measured by its ability to induce IL-17 secretion by mouse splenocytes.
Molecular Mass	53.5 kDa
AA Sequence	RAVPGGSSPAWTQCQQLS QKLCTLAWSAHPLVGHMDLREEGDEETTNDVPHIQCG DGCDPQGLRDNSQFCLQRIHQGLIFYEKLLGSDIFTGEPSLLPDSPVGQLHASLLGL SPLLQPEGHHWETQQIPSLSPSPWPQRLLLRFKILRSLQAFVAVAAARVFAHGAATLS PIWELKKDVYVVELDWYPDAPGEMVVLTCDTPEEDGITWTLDQSSEVLGSGKTLTIQ

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VKEFGDAGQYTCHKGGVLSHSLLLLHKKEDGIWSTDILKDQKEPKNKTFLRCEAKN
 YSGRFTCWWLTTISTDLTFSVKSSRGSSDPQGVTCGAATLSAERVGRGDNKEYEYSV
 ECQEDSACPAAEESLPIEVMVDAVHKLKYENYTSSFFIRDIKPDPPKNLQLKPLKNS
 RQVEVSWEYPDTWSTPHSYFSLTFCVQVQGKSKREKKDRVFTDKTSATVICRKNAS
 ISVRAQDRYYSSSWSEWASVPCS

Endotoxin Endotoxin level is <0.1 ng/g of protein (<1EU/g).

Purity >95% as determined by SDS-PAGE and Coomassie blue staining

Concentration Resuspend the protein in the desired concentration in proper buffer

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

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