

Active Recombinant Human IL23A Protein (Arg20-Pro189), N-His tagged, Animal-free, Carrier-free

Cat. No. IL23A-244H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human IL23A Protein (Arg20-Pro189) with N-His tag was expressed in E. coli and Animal-free as well as Carrier-free.
Species	Human
Source	E.coli
ProteinLength	Arg20-Pro189
Description	Interleukin 23 p19(IL-23p19) predicts a molecular mass of 20.7 kDa. Interleukin 23 is a heterodimeric cytokine composed of an IL-12p40 subunit that is shared with IL-12 and the IL-23p19 subunit. 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 (IFN-gamma).
Form	Lyophilized
Bio-activity	Measured by its ability to induce IL-17 secretion in mouse splenocytes. The ED50 for this effect is < 0.5 ng/mL.
Molecular Mass	The protein has a calculated MW of 19.49 kDa. The protein migrates as 17 kDa under reducing condition (SDS-PAGE analysis).

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Endotoxin	< 0.1 EU/μg of the protein by the LAL method.
Purity	>95% as determined by SDS-PAGE analysis.
Storage	This product is stable after storage at: -20 centigrade for 12 months in lyophilized state from date of receipt. -20 or -80 centigrade for 1 month under sterile conditions after reconstitution. Avoid repeated freeze/thaw cycles.
Storage Buffer	Lyophilized from a 0.2 μm filtered solution of PBS, pH 8.0.
Reconstitution	It is recommended to reconstitute the lyophilized protein in sterile H ₂ O to a concentration not less than 200 μg/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.
Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at -20 centigrade or lower for long term storage.

GENE INFORMATION

Gene Name	IL23A interleukin 23, alpha subunit p19 [Homo sapiens (human)]
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

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mRNA Refseq [NM_016584](#)

Protein Refseq [NP_057668](#)

MIM [605580](#)

UniProt ID [Q9NPF7](#)

**SDS-PAGE analysis
of recombinant
human IL-23 p19.**

