

Active Recombinant Human IL23A&IL12B heterodimer protein, His-tagged

Cat. No. IL23A&IL12B-336H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human IL23 complex composed of IL12B (NP_002178.2)(Met1-Ser328) and the mature form of human IL23A (NP_057668.1) (Arg20-Pro189) linked by a polypeptide linker, fused with a polyhistidine tag at the C-terminus, was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	Met1-Ser328 (IL12B) & Arg20-Pro189 (IL23A)
Form	Lyophilized from sterile PBS, 10% Glycerol, pH7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Bio-activity	Measured by its ability to induce IL17 secretion by mouse splenocytes. The ED50 for this effect is 0.5-5ng/mL.
Molecular Mass	The recombinant human IL23(IL23A&IL12B) consists of 502 amino acids and predicts a molecular mass of 55.8 kDa. The apparent molecular mass of human IL23 heterodimer is approximately 58.3 kDa respectively in SDS-PAGE under reducing conditions.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method

 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

Purity	> 90 % as determined by SDS-PAGE.
Stability	Samples are stable for up to twelve months from date of receipt at -20°C to -80°C.
Storage	Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

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
UniProt ID	Q9NPF7

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