

## Recombinant Human IL12B & IL23A Heterotrimer Protein (Met1-Ser328 & Arg20-Pro189), His-tagged, Biotinylated

Cat. No. IL23-1037H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human IL12B & IL23A Heterotrimer Protein (NP_002178.2)(Met1-Ser328) & (NP_057668.1)(Arg20-Pro189) was produced by HEK293 Cells expression system. This protein was linked by a polypeptide linker was fused with a polyhistidine tag at the C-terminus. The purified protein was biotinylated in vitro.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>ProteinLength</b>	Met1-Ser328 & Arg20-Pro189
<b>Predicted N Terminal</b>	Ile 23
<b>Form</b>	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
<b>Molecular Mass</b>	The recombinant human IL23 complex (IL23A&IL12B) consists 502 amino acids and predicts a molecular mass of 55.8 kDa.
<b>Endotoxin</b>	< 1.0 EU per µg protein as determined by the LAL method.
<b>Purity</b>	> 90 % as determined by SDS-PAGE.
<b>Stability</b>	Samples are stable for up to twelve months from date of receipt at -70 centigrade.

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

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

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

<b>Storage</b>	Store it under sterile conditions at -20 centigrade to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
<b>Reconstitution</b>	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 mg/ml. Centrifuge the vial at 4°C before opening to recover the entire contents.
<b>Shipping</b>	In general, recombinant proteins are provided as lyophilized powder which are shipped at ambient temperature. Bulk packages of recombinant proteins are provided as frozen liquid. They are shipped out with blue ice unless customers require otherwise.
<b>Conjugation</b>	Biotin

## GENE INFORMATION

<b>Gene Name</b>	IL12B interleukin 12B [ Homo sapiens (human) ] & IL23A interleukin 23 subunit alpha [ Homo sapiens (human) ]
<b>Official Symbol</b>	IL12B & IL23A
<b>Synonyms</b>	CLMF; NKSF; CLMF2; IMD28; IMD29; NKSF2; IL-12B & P19; SGRF; IL-23; IL-23A; IL23P19
<b>Gene ID</b>	3593 & 51561
<b>mRNA Refseq</b>	NM_002187 & NM_016584
<b>Protein Refseq</b>	NP_002178 & NP_057668
<b>UniProt ID</b>	P29460 & Q9NPF7

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

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

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