

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

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

SPECIFICATION

Product Overview	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.
Species	Human
Source	HEK293
ProteinLength	Met1-Ser328 & Arg20-Pro189
Predicted N Terminal	Ile 23
Form	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Molecular Mass	The recombinant human IL23 complex (IL23A&IL12B) consists 502 amino acids and predicts a molecular mass of 55.8 kDa.
Endotoxin	< 1.0 EU per µg protein as determined by the LAL method.
Purity	> 90 % as determined by SDS-PAGE.
Stability	Samples are stable for up to twelve months from date of receipt at -70 centigrade.

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Storage	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.
Reconstitution	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.
Shipping	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.
Conjugation	Biotin

GENE INFORMATION

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

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