Recombinant Human Il12B&Il23A Protein, His-tagged, Biotinylated

Cat. No. Il12B&Il23A-0300H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Biotinylated Recombinant Human Il12B&Il23A protein(NP_002178.2 & NP_057668.1)(Met1-Ser328 & Arg20-Pro189), fused with His tag at the C-terminus, was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	1-328 aa& 20-189 aa
Form	Lyophilized from sterile PBS, pH 7.4.
Molecular Mass	The recombinant IL23 heterodimer of human IL23A/IL12B comprises 498 (181+317) amino acids and has a calculated molecular mass of 56.27 (20.13+36.14) kDa. The apparent molecular mass of rhIL23 heterodimer is approximately 43 kDa respectively in SDS-PAGE under reducing conditions.
Endotoxin	< 1.0 EU per μg protein as determined by the LAL method.
Purity	≥ 90 % as determined by SDS-PAGE.
Storage	Samples are stable for up to twelve months from date of receipt at -20°C to -80°C. 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.

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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
Gene Name 2	IL12B interleukin 12B (natural killer cell stimulatory factor 2, cytotoxic lymphocyte maturation factor 2, p40) [Homo sapiens]
Official Symbol 2	Il12B
Synonyms 2	IL12B; interleukin 12B (natural killer cell stimulatory factor 2, cytotoxic lymphocyte

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	maturation factor 2, p40); NKSF2; interleukin-12 subunit beta; CLMF; CLMF2; cytotoxic lymphocyte maturation factor 2; p40; IL 12B; IL12; subunit p40; interleukin 12; interleukin 12 beta chain; natural killer cell stimulatory factor; 40 kD subunit; natural killer cell stimulatory factor 2; NKSF; CLMF p40; IL-12 subunit p40; IL12, subunit p40; interleukin 12, p40; interleukin-12 beta chain; NK cell stimulatory factor chain 2; cytotoxic lymphocyte maturation factor 40 kDa subunit; natural killer cell stimulatory factor, 40 kD subunit; IL-12B;
Gene ID 2	3593
mRNA Refseq 2	NM_002187
Protein Refseq 2	NP_002178
MIM 2	161561
UniProt ID 2	P29460

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