Active Recombinant Human IL23A&IL12B protein, His-Avi-tagged, Biotinylated, Low Endotoxin

Cat. No. IL23A&IL12B-1613H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Biotinylated Active Recombinant Human IL23A&IL12B protein(NP_002178.2 & NP_057668.1)(Ile23-Ser328 & Arg20-Pro189) is expressed from HEK293 with His tag and Avi tag at the C-Terminus of IL-23 alpha.
Species	Human
Source	HEK293
ProteinLength	23-328 aa& 20-189 aa
Conjugation/Label	Biotin
Form	Lyophilized from 0.22μm filtered solution in PBS (pH 7.4).
Bio-activity	Immobilized Biotinylated Human IL-23 alpha&IL-12 beta, His Tag at 2μg/ml (100μl/well) on the streptavidin precoated plate (5μg/ml). Dose response curve for Human IL-23R, hFc Tag with the EC50 of 21.0ng/ml determined by ELISA.
Molecular Mass	The protein has a predicted MW of 21.7 kDa (IL-23 alpha) and 34.7 kDa (IL-12 beta). Due to glycosylation, the protein migrates to 24 kDa (IL-23 alpha) and 40-50 kDa (IL-12 beta) based on Bis-Tris PAGE result.
Endotoxin	Less than 0.01 EU per μg 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	> 95% as determined by Bis-Tris PAGE > 95% as determined by HPLC
Storage	-20 to -80°C for 12 months as supplied from date of receipt. -80°C for 3 months after reconstitution. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.
Reconstitution	Dissolve the lyophilized protein in distilled water.

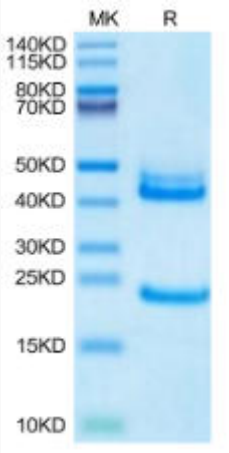
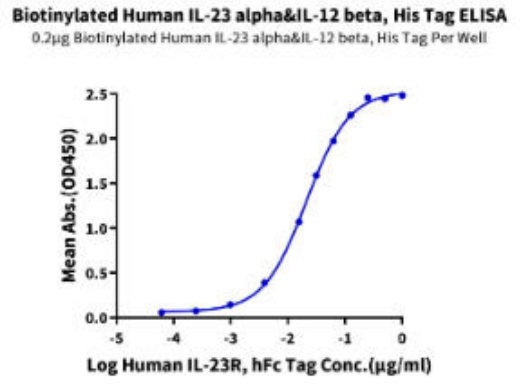
GENE INFORMATION

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

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	maturation factor 2, p40) [Homo sapiens]
Official Symbol 2	Il12B
Synonyms 2	IL12B; interleukin 12B (natural killer cell stimulatory factor 2, cytotoxic lymphocyte 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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Bis-Tris PAGE	
ELISA Data	

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