

Recombinant Human IL12B&IL23A Protein, C-His-tagged

Cat. No. IL23A&IL12B-335H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human IL12B&IL23A Protein(Q9NPF7&P29460)(Arg20-Pro189&Ile23-Ser328) is expressed from HEK293 with His tag at the C-terminus of IL-23 alpha.
Species	Human
Source	HEK293
ProteinLength	20-189 aa&23-328 aa
Form	Lyophilized from 0.22 µm filtered solution in PBS (pH 7.4).
Bio-activity	Immobilized Human IL-23R, hFc Tag at 2 µg/ml (100 µl/well) on the plate. Dose response curve for Human IL-23 alpha&IL-12 beta, His Tag with the EC50 of 46.4ng/ml determined by ELISA.
Molecular Mass	The protein has a predicted MW of 19.77 kDa (IL-23 alpha) and 34.7 kDa (IL-12 beta). Due to glycosylation, the protein migrates to 23 kDa (IL-23 alpha) and 40-50 kDa (IL-12 beta) based on Bis-Tris PAGE result.
Endotoxin	Less than 1 EU per µg by the LAL method.
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

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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 maturation factor 2, p40) [Homo sapiens]

Official Symbol 2 IL12B

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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

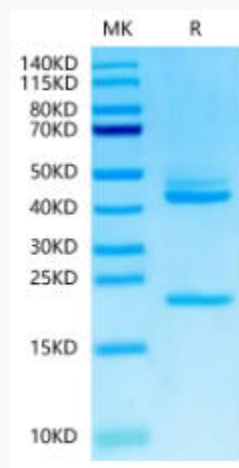
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MIM 2

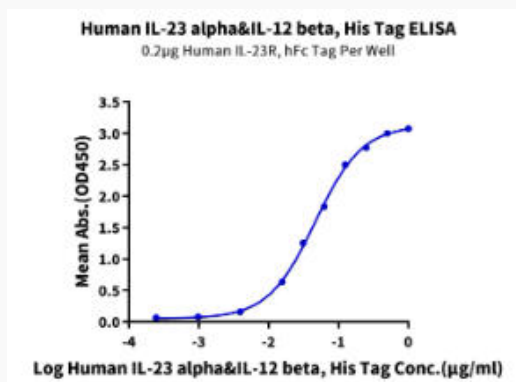
161561

UniProt ID 2

P29460

Bis-Tris PAGE


ELISA Data



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