

Active Recombinant Human IL23A&IL12B Protein, His-tagged

Cat. No. IL23A-23H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Active Recombinant Human IL23A&IL12B Protein(NP_002178.2&NP_057668.1)(23-328 aa&20-189 aa) is expressed in HEK293, fused with a 6xHis tag at the N-terminus(IL23A).
Species	Human
Source	HEK293
ProteinLength	23-328 aa&20-189 aa
Form	Lyophilized from a 0.22 µm filtered solution of PBS, pH 7.4.
Bio-activity	1.Measured by its binding ability in a functional ELISA.Immobilized Human IL-12B&IL-23A at 5µg/mL (100 µL/well) can bind Human IL23R with a linear range of 4-135 ng/ml. 2.Measured by its ability to induce IL-17 secretion by mouse splenocytes. The ED50 for this effect is 21.23-84.94 ng/mL, corresponding to a specific activity of $1.17 \times 10^4 \sim 4.71 \times 10^4$ units/mg.
Molecular Mass	19.50 kDa(IL-12A), 34.71 kDa(IL-12B)
Endotoxin	< 0.1 EU/µg of the protein by LAL method.
Purity	≥ 95 % as determined by SDS-PAGE.
Storage	Store at -20°C.Store the lyophilized protein at -20°C to -80°C up to 1 year from the

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date of receipt. After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.

Reconstitution

Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

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

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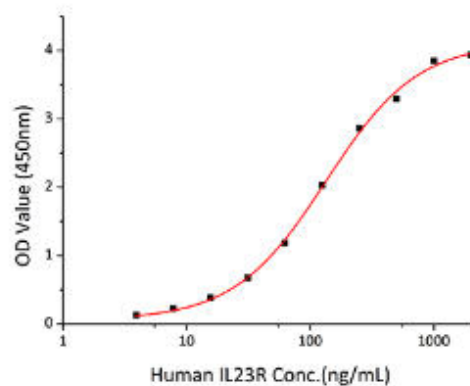
Gene Name 2	IL12B interleukin 12B (natural killer cell stimulatory factor 2, cytotoxic lymphocyte maturation factor 2, p40) [Homo sapiens]
Official Symbol 2	IL12B
Synonyms 2	IL12B; interleukin 12B (natural killer cell stimulatory factor 2, cytotoxic lymphocyte maturation factor 2, p40); NKSF2; interleukin-12 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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Activity



SDS-PAGE

