

Active Recombinant Human/Rat IL23A&IL12B protein, His-tagged

Cat. No. IL23A&IL12B-1611H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human/Rat IL23A&IL12B protein(Arg20-Pro189(IL23A)&Met23-Ser335(IL12B)), fused with His tag, was expressed in HEK293.
Species	Human/Rat
Source	HEK293
ProteinLength	20-189;23-335 a.a.
Form	Lyophilized from 0.22 µm filtered solution in PBS, pH7.4 with trehalose as protectant.
Bio-activity	Immobilized Human IL-23 R, Fc Tag at 5 µg/mL (100 µL/well) can bind Human IL-23A&Rat IL-12B Heterodimer Protein, His Tag&Tag Free with a linear range of 0.039-0.156 µg/mL. Immobilized Human IL-23A&Rat IL-12B Heterodimer Protein, His Tag&Tag Free at 5 µg/mL (100 µL/well) can bind Human IL-12 R beta 1, Fc Tag with a linear range of 5-78 ng/mL.
Molecular Mass	Molecular Characterization Human IL-23A&Rat IL-12B Heterodimer Protein, His Tag&Tag Free, produced by co-expression of IL-23A and IL-12B, has a calculated MW of 20.6 kDa (IL-23A) and 35.9 kDa (IL-12B). Subunit IL-23A is fused with a polyhistidine tag at the N-terminus and subunit IL-12B contains no tag. The reducing (R) protein migrates as 23 kDa (IL-23A) and 45 kDa and 47 kDa (IL-12B) respectively due to glycosylation.

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Proteinlength	Arg20-Pro189(IL23A)&Met23-Ser335(IL12B)
Endotoxin	Less than 1.0 EU per µg by the LAL method.
Purity	>90% as determined by SDS-PAGE. >90% as determined by SEC-MALS.
Storage	For long term, the product should be stored at lyophilized state at -20°C or lower. Please avoid repeated freeze-thaw cycles. This product is stable after at: -20°C to -70°C for 12 months in lyophilized state; -70°C for 3 months under sterile conditions after reconstitution.
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.

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