

Recombinant Mouse IL23 protein, His-tagged

Cat. No. IL23-3392M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse IL12B (P43432)(Met1-Ser335) was expressed, constructed the plasmid 1; Recombinant Mouse IL23A (Q9EQ14) (Met1-Ala196) was expressed with a polyhistidine tag at the C-terminus, constructed the plasmid 2. The two plasmids were co-expressed and the IL12B & IL23A heterodimer was purified in HEK293.
Species	Mouse
Source	HEK293
ProteinLength	Met1-Ser335&Met1-Ala196
Form	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Bio-activity	Immobilized Recombinant Human IL23R / IL23 Receptor Protein (ECD, Fc Tag) at 2 µg/mL (100 µL/well) can bind Recombinant Mouse IL-23 Heterodimer Protein (His Tag), the EC50 is 11-33 ng/mL.
Molecular Mass	The recombinant heterodimer of Mouse IL12B & IL23A comprises (313+186) amino acids and has a calculated molecular mass of (35.8+21.11) KDa. The apparent molecular mass of Mouse IL12B & IL23A heterodimer is approximately 43.941.426.9 and 23.6 KDa respectively in SDS-PAGE. The molecular weight of this protein is around 62.2 kDa verified by SEC-MALS (Routinely tested).
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method

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Purity

≥ 95 % as determined by SDS-PAGE, ≥ 95 % as determined by SEC-HPLC, ≥ 95% as determined by SEC-MALS(Routinely tested).

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.

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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