

Active Recombinant Human IL23R protein, Fc-Avi-tagged, Biotinylated

Cat. No. IL23R-0272H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Biotinylated Recombinant Human IL23R protein(Gly24-Gly355), fused with Fc and Avi tag, was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	24-355 a.a.
Form	Lyophilized from 0.22 µm filtered solution in Tris with Glycine, Arginine and NaCl, pH7.5. Normally trehalose is added as protectant before lyophilization.
Bio-activity	Immobilized Biotinylated Human IL-23 R, Fc,Avitag at 5 µg/mL (100 µL/well) on Streptavidin precoated (0.5 µg/well) plate can bind Human IL-23A&IL-12B Heterodimer Protein, His Tag&Tag Free with a linear range of 39-156 ng/mL.Immobilized Biotinylated Human IL-23 R, Fc,Avitag at 5 µg/mL (100 µL/well), can bind pre-mixed increasing concentrations of Human IL23A/p19 Neutralizing Antibody and 0.25 µg/mL (100 µL/well) Human IL-23A&IL-12B Heterodimer Protein, His Tag&Tag Free with a half maximal inhibitory concentration (IC50) of 0.3889 µg/mL.
Molecular Mass	This protein carries a human IgG1 Fc tag at the C-terminus, followed by an Avi tag (Avitag).The protein has a calculated MW of 66.3 kDa. The protein migrates as 95-

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	105 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.
Proteinlength	Gly24-Gly355
Endotoxin	Less than 1.0 EU per µg by the LAL method.
Purity	>95% as determined by SDS-PAGE.
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.
Conjugation	Biotin

GENE INFORMATION

Gene Name	IL23R interleukin 23 receptor [Homo sapiens]
Official Symbol	IL23R
Synonyms	IL23R; interleukin 23 receptor; interleukin-23 receptor; IL 23R; IL-23 receptor;
Gene ID	149233
mRNA Refseq	NM_144701
Protein Refseq	NP_653302

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MIM	607562
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UniProt ID	Q5VWK5
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