

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

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

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Biotinylated Recombinant Human IL23R protein(Gly24-Gly355), fused with Fc and Avi tag, was expressed in HEK293.                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>ProteinLength</b>    | 24-355 a.a.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Form</b>             | Lyophilized from 0.22 µm filtered solution in Tris with Glycine, Arginine and NaCl, pH7.5. Normally trehalose is added as protectant before lyophilization.                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Bio-activity</b>     | 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. |
| <b>Molecular Mass</b>   | 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-                                                                                                                                                                                                                                                                                                                                                                                          |

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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

## GENE INFORMATION

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

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