

## Recombinant Human IL-23 Recetor/IL-23R Protein (Fc Tag)

Catalog No. PKSH032579

**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

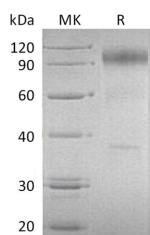
### Description

<b>Synonyms</b>	Interleukin-23 receptor;IL23R;IL-23 receptor;IL-23R
<b>Species</b>	Human
<b>Expression Host</b>	HEK293 Cells
<b>Sequence</b>	Gly24-Asp353
<b>Accession</b>	Q5VWK5
<b>Calculated Molecular Weight</b>	65.0 kDa
<b>Observed molecular weight</b>	90-120 kDa
<b>Tag</b>	C-Fc
<b>Bioactivity</b>	Immobilized Human IL-23R-Fc at 10µg/ml (100 µl/well)can bind Human IL-23-His.The ED50 of Human IL-23-His is 0.248 µg/ml.

### Properties

<b>Purity</b>	> 90 % as determined by reducing SDS-PAGE.
<b>Endotoxin</b>	< 1.0 EU per µg of the protein as determined by the LAL method.
<b>Storage</b>	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
<b>Shipping</b>	This product is provided as lyophilized powder which is shipped with ice packs.
<b>Formulation</b>	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.
<b>Reconstitution</b>	Please refer to the printed manual for detailed information.

### Data



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### Background

Interleukin 23 receptor (IL23R) is a type I cytokine receptor for IL23. IL23 receptor complex is comprised of two

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subunits; the IL12R $\beta$ 1 subunit; which is shared with several cytokines; and a subunit that is unique to IL-23. IL23; after binding to IL23R; activates memory T cells and mediates pro-inflammatory activities in part by the production of IL17 through activation of TH17 lymphocytes. IL23R is expressed on T cells; NK cells; dendritic cells; and macrophages. In fact; polymorphisms of the IL23R gene were reported to be associated with susceptibility to inflammatory diseases and autoimmune diseases such as psoriasis; multiple sclerosis; Graves's opthalmopathy and inflammatory bowel diseases. The IL23R is known to be critically involved in the carcinogenesis of different malignant tumor.