

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



Catalog Number:PKSH032579

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

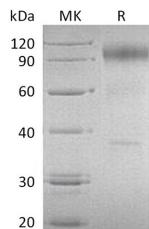
Description

Synonyms	Interleukin-23 receptor;IL23R;IL-23 receptor;IL-23R
Species	Human
Expression Host	HEK293 Cells
Sequence	Gly24-Asp353
Accession	Q5VWK5
Calculated Molecular Weight	65.0 kDa
Observed molecular weight	90-120 kDa
Tag	C-Fc
Bioactivity	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

Purity	> 90 % as determined by reducing SDS-PAGE.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Storage	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.
Shipping	This product is provided as lyophilized powder which is shipped with ice packs.
Formulation	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.
Reconstitution	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 subunits; the IL12R β 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 ophthalmopathy and inflammatory bowel diseases. The

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IL23R is known to be critically involved in the carcinogenesis of different malignant tumor.

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