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

Catalog Number: PKSH032579

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

Description

Species Human

Source HEK293 Cells-derived Human IL-23 Recetor; IL-23R protein Gly24-Asp353, with an C-

terminal Fc

Mol_Mass65.0 kDaAccessionQ5VWK5

Bio-activity 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.

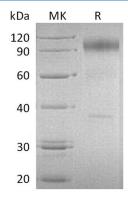
Normally 5% - 8% trehalose, mannitol and 0.01% Tween 80 are added as protectants

before lyophilization.

Please refer to the specific buffer information in the printed manual.

Reconstitution Please refer to the printed manual for detailed information.

Data



> 90 % as determined by reducing SDS-PAGE.

Background

Interleukin 23 receptor (IL23R) is a type I cytokine receptor for IL23. IL23 receptor complex is comprised of two subunits; the IL12Rβ1 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 ophtalmopathy and inflammatory bowel diseases. The IL23R is known to be critically involved in the carcinogenesis of different malignant tumor.

For Research Use Only

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