

Recombinant Human IL17RA Protein (His Tag)

Catalog Number:PKSH031368



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

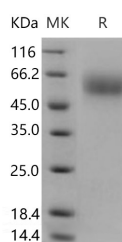
Description

Synonyms	CANDF5;CD217;CDw217;hIL-17R;IL-17RA;IL17R
Species	Human
Expression Host	HEK293 Cells
Sequence	Met 1-Trp 320
Accession	NP_055154.3
Calculated Molecular Weight	35.0 kDa
Tag	C-His
Bioactivity	1. Immobilized recombinant human IL17A at 2 µg/ml (100 µl/well) can bind biotinylated human IL17RA with a linear range of 1. 28-32 ng/ml. 2. Measured by its ability to inhibit IL-17-induced IL-6 secretion by HFF human foreskin fibroblast cells. The ED50 for this effect is typically 0.03-0.12 µg/mL.

Properties

Purity	> 97 % 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 sterile 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



> 97 % as determined by reducing SDS-PAGE.

Background

Interleukin-17 receptor (IL-17R); also known as Interleukin-17 receptor A (IL-17RA) and CD217 antigen (CD217); is a cytokine receptor which binds interleukin 17. IL-17R/IL-17RA (CD217) is a proinflammatory cytokine secreted by activated T-lymphocytes. It is a potent inducer of the maturation of CD34-positive hematopoietic precursors into neutrophils. IL-17R/IL-17RA (CD217) is a ubiquitous type I membrane glycoprotein that binds with low affinity to interleukin 17A. Interleukin 17A and its receptor IL-17RA play a pathogenic role in many inflammatory and autoimmune

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diseases such as rheumatoid arthritis. Like other cytokine receptors; this receptor likely has a multimeric structure. Defects in IL-17R/IL-17RA (CD217) are the cause of familial candidiasis type 5 (CANDF5). CANDF5 is a rare disorder with altered immune responses and impaired clearance of fungal infections; selective against Candida. It is characterized by persistent and/or recurrent infections of the skin; nails and mucous membranes caused by organisms of the genus Candida; mainly Candida albicans.

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