Recombinant Human IL17BR/IL17RB Protein (His Tag)

Catalog Number: PKSH030735

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

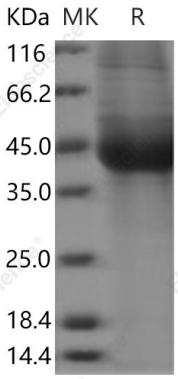
Description

Species	Human
Source	HEK293 Cells-derived Human IL17BR/IL17RB protein Met 1-Gly289, with an C-terminal His
Calculated MW	31.5 kDa
Observed MW	41-45 kDa
Accession	NP_061195.2
Bio-activity	Immobilized human IL17BR-His at 10 μg/ml (100 μl/well) can bind human Fc-IL25, The EC_{50} of human Fc-IL25 is 0.1-0.3 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 sterile 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

IL17RB (Interleukin 17 Receptor B) is a Protein Coding gene. IL17RB is the receptor for IL17E, the only member of the IL17 family promoting Th2 reactions. IL17RB is induced on human macrophages by IL4 and enhanced by TGFbeta. Overexpression of IL17RB is associated with poor prognosis and the short survival of breast cancer patients. IL17RB/IL17B signaling triggers a substantial increase in cell growth, proliferation, and migration through the activation of NF-kappaB as well as the up-regulation of the Bcl-2. IL17RB may be the only gene expressed in CD4+ T cells whose transcript measurement is correlated with the variation in IgE level in asthmatics. Diseases associated with IL17RB include Chronic Mucocutaneous Candidiasis and Seborrheic Infantile Dermatitis.

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