Recombinant Human Interleukin-17F/IL-17F Protein (His Tag)

Catalog No. PKSH032624

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

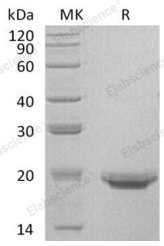
Description

Synonyms	Interleukin-17F;IL-17F;Cytokine ML-1;Interleukin-24;IL-24;IL17F;IL24
Species	Human
Expression Host	HEK293 Cells
Sequence	Arg31-Gln163
Accession	AAH70124.1
Calculated Molecular Weight	16.0 kDa
Observed molecular weight	19 kDa
Tag	C-His
Bioactivity	Immobilized Mouse IL-17RA-Fc at 1μg/ml (100 μl/well)can bind Human IL-17F-His.The ED_{50} of Human IL-17F-His is 47.94 ng/ml.

Properties

Purity	> 95 % 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℃. Reconstituted protein solution can be stored at 4-8℃ for 2-7 days. Aliquots of reconstituted samples are stable at < -20℃ 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 20mM PB, 150mM NaCl, 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



> 95 % as determined by reducing SDS-PAGE.

Background

Interleukin-17F (IL-17F) exists in a disulfide-linked heterodimer that belongs to the IL-17 family. IL-17F is expressed in

activated; but not resting; CD4+ T-cells and activated monocytes. IL-17F has been shown to stimulate the production of several other cytokines; including IL-6; IL-8; and granulocyte colony-stimulating factor. IL-17F can regulate cartilage matrix turnover and stimulates PBMC and T-cell proliferation. IL-17F is also found to inhibit the angiogenesis of endothelial cells and induce endothelial cells to produce IL2; TGFB1/TGFB; and monocyte chemoattractant protein-1. Defects in IL-17F are the cause of familial candidiasis type 6 (CANDF6).

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