Recombinant Human IL-17F

Catalog # CS27
Derived from Human Cells

DESCRIPTION
Recombinant Human Interleukin-17F is produced by our Mammalian expression system and the target gene encoding Arg31-Gln163 is expressed.
Accession #: Q96PD4
Known as: Interleukin-17F; IL-17F; Cytokine ML-1; Interleukin-24; IL-24; IL17F; IL24

FORMULATION
Lyophilized from a 0.2 μm filtered solution of 20mM PB,150mM NaCl, pH7.4.

SHIPPING
The product is shipped at ambient temperature.
Upon receipt, store it immediately at the temperature listed below.

STORAGE
Lyophilized protein should be stored at <-20°C, though stable at room temperature for 3 weeks.
Reconstituted protein solution can be stored at 4-7°C for 2-7 days.
Aliquots of reconstituted samples are stable at < -20°C for 3 months.

RECONSTITUTION
Always centrifuge tubes before opening. Do not mix by vortex or pipetting.
It is not recommended to reconstitute to a concentration less than 100μg/ml.
Dissolve the lyophilized protein in distilled water.
Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

QUALITY CONTROL
Purity: Greater than 95% as determined by reducing SDS-PAGE.
Endotoxin: Less than 0.1 ng/μg (1 IEU/μg).

AMINO ACID SEQUENCE
RKIPKVGHFFQKPESCVPNPGGSMKLDIGIINQVRVSMSRNRSTSPWNYVTWDPNRYPSEVQAAQRNLGCINAQGK
EDISMNSVPIQQETLVRRKHQQCSVQFQLEKVLTVGCTCVTPVIRVQ

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, TGFβ1/TGFβ, and monocyte chemoattractant protein-1. Defects in IL-17F are the cause of familial candidiasis type 6 (CANDF6).

SDS-PAGE