



Recombinant Protein Technical Manual

Recombinant Mouse Interleukin7F/IL7F Protein (His Tag)

RPES1645

Product Data:

Product SKU: RPES1645

Size: 10µg

Species: Mouse

Expression host: Human Cells

Uniprot: Q7TNI7

Protein Information:

Molecular Mass: 15.9 kDa

AP Molecular Mass: 17-23kDa

Tag: C-6His

Bio-activity:

Purity: > 95 % as determined by SDS-PAGE

Endotoxin: < 1.0 EU per µg as determined by the LAL method.

Storage: 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.

Reconstitution: Please refer to the printed manual for detailed information.

Application:

Synonyms: Interleukin7F; IL7F; Cytokine ML; Interleukin-24; IL-24; IL17F; IL24

Immunogen Information:

Sequence: Arg29-Ala161

Background:

Interleukin7F (IL7F) exists in a disulfide-linked heterodimer that belongs to the IL7 family. IL7F is expressed in activated, but not resting, CD4+ T-cells and activated monocytes. Mouse and human IL7F share 55% sequence identity. IL7F has been shown to stimulate the production of several other cytokines, including IL-6, IL-8, and granulocyte colony-stimulating factor. IL7F can regulate cartilage matrix turnover and stimulates PBMC and T-cell proliferation. IL7F is also found to inhibit the angiogenesis of endothelial cells and induce endothelial cells to produce IL2, TGFB1/TGFB, and monocyte chemoattractant protein. Defects in IL7F are the cause of familial candidiasis type 6 (CANDF6).