



Recombinant Protein Technical Manual

**Recombinant Human Interleukin7F/IL7F Protein
(Active)**
RPES2042

Product Data:

Product SKU: RPES2042

Size: 10µg

Species: Human

Expression host: E. coli

Uniprot: Q96PD4

Protein Information:

Molecular Mass: 30.1 kDa

AP Molecular Mass: 24-30 kDa

Tag:

Bio-activity: Measured by its ability to induce IL-6 secretion by NIH-3T3 mouse embryonic fibroblast cells. The ED50 for this effect is 5-40 ng/ml.

Purity: > 95 % as determined by reducing 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 20mM PB, 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: Arg31-Gln163

Background:

Interleukin7 is a potent pro-inflammatory cytokine produced by activated memory T cells. There are at least six members of the IL7 family in humans and in mice. Today, IL7 represents a family of structurally related cytokines that share a highly conserved C-terminal region but differ from one another in their N-terminal regions and in their distinct biological roles. The six known members of this family, IL7A through IL7F, are secreted as homodimers. IL7F also regulates cartilage matrix turnover and inhibits angiogenesis.